

## **Appendix A1**

### **Record of NO<sub>x</sub> Measurements**

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/1/2006 0:00  | 44.6   | 3.0               |
| 10/1/2006 1:00  | 38.9   | 2.6               |
| 10/1/2006 2:00  | 36.8   | 2.5               |
| 10/1/2006 3:00  | 31.0   | 3.6               |
| 10/1/2006 4:00  | 21.9   | 2.6               |
| 10/1/2006 5:00  | 12.4   | 1.1               |
| 10/1/2006 6:00  | 11.4   | 0.9               |
| 10/1/2006 7:00  | 13.4   | 3.4               |
| 10/1/2006 8:00  | 17.6   | 3.6               |
| 10/1/2006 9:00  | 27.4   | 7.9               |
| 10/1/2006 10:00 | 44.0   | 20.1              |
| 10/1/2006 11:00 | 49.6   | 4.1               |
| 10/1/2006 12:00 | 30.9   | 7.0               |
| 10/1/2006 13:00 | 18.6   | 3.6               |
| 10/1/2006 14:00 | 12.3   | 2.2               |
| 10/1/2006 15:00 | 12.2   | 1.9               |
| 10/1/2006 16:00 | 12.4   | 4.2               |
| 10/1/2006 17:00 | 13.1   | 2.8               |
| 10/1/2006 18:00 | 16.8   | 7.5               |
| 10/1/2006 19:00 | 18.0   | 10.9              |
| 10/1/2006 20:00 | 14.8   | 31.9              |
| 10/1/2006 21:00 | 19.4   | 38.2              |
| 10/1/2006 22:00 | 42.7   | 72.3              |
| 10/1/2006 23:00 | 75.9   | 54.4              |
| 10/2/2006 0:00  | 88.1   | 46.0              |
| 10/2/2006 1:00  | 33.6   | 35.9              |
| 10/2/2006 2:00  | 28.4   | 45.7              |
| 10/2/2006 3:00  | 22.1   | 51.9              |
| 10/2/2006 4:00  | 22.7   | 43.2              |
| 10/2/2006 5:00  | 61.9   | 19.8              |
| 10/2/2006 6:00  | 65.9   | 19.2              |
| 10/2/2006 7:00  | 98.7   | 2.5               |
| 10/2/2006 8:00  | 73.0   | 7.0               |
| 10/2/2006 9:00  | 51.1   | 11.7              |
| 10/2/2006 10:00 | 59.1   | 10.5              |
| 10/2/2006 11:00 | 55.7   | 12.9              |
| 10/2/2006 12:00 | 46.7   | 15.1              |
| 10/2/2006 13:00 | 41.9   | 9.4               |
| 10/2/2006 14:00 | 33.4   | 7.5               |
| 10/2/2006 15:00 | 29.8   | 8.1               |
| 10/2/2006 16:00 | 32.9   | 5.6               |
| 10/2/2006 17:00 | 35.9   | 4.4               |
| 10/2/2006 18:00 | 24.9   | 3.6               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/2/2006 19:00 | 35.5   | 6.7               |
| 10/2/2006 20:00 | 13.5   | 57.6              |
| 10/2/2006 21:00 | 54.2   | 64.0              |
| 10/2/2006 22:00 | 37.3   | 60.4              |
| 10/2/2006 23:00 | 23.1   | 51.4              |
| 10/3/2006 0:00  | 27.4   | 46.7              |
| 10/3/2006 1:00  | 88.5   | 30.6              |
| 10/3/2006 2:00  | 85.8   | 12.9              |
| 10/3/2006 3:00  | 28.7   | 5.9               |
| 10/3/2006 4:00  | 30.9   | 5.7               |
| 10/3/2006 5:00  | 25.5   | 4.6               |
| 10/3/2006 6:00  | 25.1   | 5.5               |
| 10/3/2006 7:00  | 41.1   | 31.0              |
| 10/3/2006 8:00  | 46.5   | 14.0              |
| 10/3/2006 9:00  | 33.9   | 11.7              |
| 10/3/2006 10:00 | 67.0   | 8.4               |
| 10/3/2006 11:00 | 63.6   | 20.1              |
| 10/3/2006 12:00 | 103.3  | 59.6              |
| 10/3/2006 13:00 | 57.3   | 36.5              |
| 10/3/2006 14:00 | 38.4   | 27.0              |
| 10/3/2006 15:00 | 49.2   | 16.2              |
| 10/3/2006 16:00 | 35.9   | 6.8               |
| 10/3/2006 17:00 | 29.3   | 6.1               |
| 10/3/2006 18:00 | 25.6   | 4.2               |
| 10/3/2006 19:00 | 18.2   | 3.3               |
| 10/3/2006 20:00 | 10.7   | 3.2               |
| 10/3/2006 21:00 | 9.9  | 3.3               |
| 10/3/2006 22:00 | 11.2   | 3.3               |
| 10/3/2006 23:00 | 18.2   | 2.4               |
| 10/4/2006 0:00  | 22.8   | 1.7               |
| 10/4/2006 1:00  | 22.6   | 2.0               |
| 10/4/2006 2:00  | 17.2   | 3.7               |
| 10/4/2006 3:00  | 15.2   | 4.9               |
| 10/4/2006 4:00  | 16.7   | 5.7               |
| 10/4/2006 5:00  | 12.0   | 4.7               |
| 10/4/2006 6:00  | 19.6   | 5.5               |
| 10/4/2006 7:00  | 17.0   | 20.8              |
| 10/4/2006 8:00  | 24.4   | 31.1              |
| 10/4/2006 9:00  | 58.5   | 17.6              |
| 10/4/2006 10:00 | 37.7   | 6.7               |
| 10/4/2006 11:00 | 27.8   | 5.2               |
| 10/4/2006 12:00 | 27.4   | 4.3               |
| 10/4/2006 13:00 | 49.1   | 6.6               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/4/2006 14:00 | 54.9   | 12.3              |
| 10/4/2006 15:00 | 48.4   | 38.1              |
| 10/4/2006 16:00 | 12.2   | 25.2              |
| 10/4/2006 17:00 | 3.8  | 17.9              |
| 10/4/2006 18:00 | 2.3  | 19.3              |
| 10/4/2006 19:00 | 1.4  | 17.6              |
| 10/4/2006 20:00 | 0.1  | 16.3              |
| 10/4/2006 21:00 | <b>outlier removed</b>   | 14.5              |
| 10/4/2006 22:00 | 0.3  | 13.8              |
| 10/4/2006 23:00 | 0.4  | 11.2              |
| 10/5/2006 0:00  | 2.2  | 8.0               |
| 10/5/2006 1:00  | 1.7  | 6.8               |
| 10/5/2006 2:00  | <b>outlier removed</b>   | 3.6               |
| 10/5/2006 3:00  | <b>outlier removed</b>   | 1.1               |
| 10/5/2006 4:00  | <b>outlier removed</b>   | 1.6               |
| 10/5/2006 5:00  | <b>outlier removed</b>   | 2.8               |
| 10/5/2006 6:00  | <b>outlier removed</b>   | 3.8               |
| 10/5/2006 7:00  | <b>outlier removed</b>   | 8.7               |
| 10/5/2006 8:00  | 2.8  | 22.6              |
| 10/5/2006 9:00  | 3.4  | 23.9              |
| 10/5/2006 10:00 | 3.2  | 20.6              |
| 10/5/2006 11:00 | 0.3  | 16.6              |
| 10/5/2006 12:00 | <b>outlier removed</b>   | 23.0              |
| 10/5/2006 13:00 | <b>outlier removed</b>   | 19.3              |
| 10/5/2006 14:00 | 0.2  | 18.3              |
| 10/5/2006 15:00 | 2.9  | 21.8              |
| 10/5/2006 16:00 | 0.6  | 22.0              |
| 10/5/2006 17:00 | <b>outlier removed</b>   | 24.7              |
| 10/5/2006 18:00 | 0.3  | 25.2              |
| 10/5/2006 19:00 | 1.5  | 20.5              |
| 10/5/2006 20:00 | 3.1  | 19.6              |
| 10/5/2006 21:00 | 4.7  | 25.9              |
| 10/5/2006 22:00 | 4.4  | 20.6              |
| 10/5/2006 23:00 | 3.9  | 14.8              |
| 10/6/2006 0:00  | 5.4  | 11.4              |
| 10/6/2006 1:00  | 5.4  | 15.0              |
| 10/6/2006 2:00  | 7.3  | 5.6               |
| 10/6/2006 3:00  | 6.8  | 7.4               |
| 10/6/2006 4:00  | 10.7   | 4.7               |
| 10/6/2006 5:00  | 12.8   | 14.5              |
| 10/6/2006 6:00  | 8.5  | 11.7              |
| 10/6/2006 7:00  | 12.6   | 23.0              |
| 10/6/2006 8:00  | 22.0   | 36.7              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/6/2006 9:00  | 36.6   | 52.1              |
| 10/6/2006 10:00 | 13.0   | 22.2              |
| 10/6/2006 11:00 | 2.8  | 18.7              |
| 10/6/2006 12:00 | <b>outlier removed</b>   | 18.4              |
| 10/6/2006 13:00 | <b>outlier removed</b>   | 22.8              |
| 10/6/2006 14:00 | <b>outlier removed</b>   | 17.7              |
| 10/6/2006 15:00 | <b>outlier removed</b>   | 19.2              |
| 10/6/2006 16:00 | <b>outlier removed</b>   | 22.1              |
| 10/6/2006 17:00 | <b>outlier removed</b>   | 19.7              |
| 10/6/2006 18:00 | 1.7  | 22.0              |
| 10/6/2006 19:00 | 2.2  | 27.1              |
| 10/6/2006 20:00 | 8.6  | 39.9              |
| 10/6/2006 21:00 | 18.0   | 42.5              |
| 10/6/2006 22:00 | 16.3   | 32.6              |
| 10/6/2006 23:00 | 10.9   | 25.5              |
| 10/7/2006 0:00  | 11.3   | 25.2              |
| 10/7/2006 1:00  | 102.9  | 30.0              |
| 10/7/2006 2:00  | 17.1   | 35.9              |
| 10/7/2006 3:00  | 7.2  | 31.0              |
| 10/7/2006 4:00  | 51.6   | 30.1              |
| 10/7/2006 5:00  | 72.8   | 33.7              |
| 10/7/2006 6:00  | 60.1   | 29.0              |
| 10/7/2006 7:00  | 32.0   | 26.3              |
| 10/7/2006 8:00  | 38.4   | 41.3              |
| 10/7/2006 9:00  | 46.3   | 36.0              |
| 10/7/2006 10:00 | 25.3   | 22.8              |
| 10/7/2006 11:00 | 15.0   | 13.3              |
| 10/7/2006 12:00 | 2.5  | 10.8              |
| 10/7/2006 13:00 | 0.4  | 5.5               |
| 10/7/2006 14:00 | 0.2  | 4.6               |
| 10/7/2006 15:00 | <b>outlier removed</b>   | 3.1               |
| 10/7/2006 16:00 | 0.2  | 2.3               |
| 10/7/2006 17:00 | 4.9  | 1.6               |
| 10/7/2006 18:00 | 2.4  | 9.6               |
| 10/7/2006 19:00 | 6.3  | 4.3               |
| 10/7/2006 20:00 | 16.8   | 2.9               |
| 10/7/2006 21:00 | 16.4   | 3.9               |
| 10/7/2006 22:00 | 15.8   | 33.9              |
| 10/7/2006 23:00 | 47.1   | 49.0              |
| 10/8/2006 0:00  | 33.2   | 52.2              |
| 10/8/2006 1:00  | 24.7   | 36.5              |
| 10/8/2006 2:00  | 19.2   | 35.5              |
| 10/8/2006 3:00  | 19.0   | 29.0              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/8/2006 4:00  | 32.8   | 20.4              |
| 10/8/2006 5:00  | 43.2   | 23.9              |
| 10/8/2006 6:00  | 26.6   | 29.5              |
| 10/8/2006 7:00  | 65.8   | 26.5              |
| 10/8/2006 8:00  | 79.2   | 23.7              |
| 10/8/2006 9:00  | 97.8   | 48.0              |
| 10/8/2006 10:00 | 82.0   | 41.4              |
| 10/8/2006 11:00 | 57.6   | 25.8              |
| 10/8/2006 12:00 | 27.5   | 11.1              |
| 10/8/2006 13:00 | 28.6   | 6.9               |
| 10/8/2006 14:00 | 19.2   | 13.7              |
| 10/8/2006 15:00 | 26.7   | 21.3              |
| 10/8/2006 16:00 | 50.2   | 26.8              |
| 10/8/2006 17:00 | 34.7   | 17.7              |
| 10/8/2006 18:00 | 29.4   | 10.6              |
| 10/8/2006 19:00 | 28.9   | 9.6               |
| 10/8/2006 20:00 | 32.3   | 8.2               |
| 10/8/2006 21:00 | 64.3   | 9.3               |
| 10/8/2006 22:00 | 31.7   | 7.4               |
| 10/8/2006 23:00 | 31.0   | 5.5               |
| 10/9/2006 0:00  | 40.8   | 4.5               |
| 10/9/2006 1:00  | 53.6   | 13.1              |
| 10/9/2006 2:00  | 71.7   | 47.1              |
| 10/9/2006 3:00  | 128.2  | 26.5              |
| 10/9/2006 4:00  | 131.4  | 7.7               |
| 10/9/2006 5:00  | 50.5   | 1.7               |
| 10/9/2006 6:00  | 101.0  | 2.4               |
| 10/9/2006 7:00  | 123.8  | 1.9               |
| 10/9/2006 8:00  | 146.2  | 17.0              |
| 10/9/2006 9:00  | 162.5  | 11.1              |
| 10/9/2006 10:00 | 58.8   | 32.9              |
| 10/9/2006 11:00 | 104.8  | 52.9              |
| 10/9/2006 12:00 | 42.9   | 32.5              |
| 10/9/2006 13:00 | 40.2   | 23.6              |
| 10/9/2006 14:00 | 24.1   | 20.6              |
| 10/9/2006 15:00 | 21.2   | 24.3              |
| 10/9/2006 16:00 | 23.5   | 29.7              |
| 10/9/2006 17:00 | 15.4   | 26.6              |
| 10/9/2006 18:00 | 4.9  | 14.9              |
| 10/9/2006 19:00 | 1.6  | 10.4              |
| 10/9/2006 20:00 | 3.2  | 15.7              |
| 10/9/2006 21:00 | 1.2  | 12.6              |
| 10/9/2006 22:00 | 0.7  | 8.9               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/9/2006 23:00  | 0.3  | 7.2               |
| 10/10/2006 0:00  | 4.5  | 9.1               |
| 10/10/2006 1:00  | 4.7  | 9.4               |
| 10/10/2006 2:00  | 3.9  | 10.0              |
| 10/10/2006 3:00  | 4.5  | 7.8               |
| 10/10/2006 4:00  | 8.9  | 9.9               |
| 10/10/2006 5:00  | 5.5  | 10.3              |
| 10/10/2006 6:00  | 5.4  | 10.0              |
| 10/10/2006 7:00  | 7.7  | 15.9              |
| 10/10/2006 8:00  | 13.4   | 26.1              |
| 10/10/2006 9:00  | 23.7   | 32.4              |
| 10/10/2006 10:00 | 21.9   | 28.9              |
| 10/10/2006 11:00 | 13.4   | 26.6              |
| 10/10/2006 12:00 | 11.4   | 28.9              |
| 10/10/2006 13:00 | 12.6   | 32.0              |
| 10/10/2006 14:00 | 10.9   | 32.2              |
| 10/10/2006 15:00 | 7.9  | 39.3              |
| 10/10/2006 16:00 | 7.4  | 50.2              |
| 10/10/2006 17:00 | 11.0   | 55.7              |
| 10/10/2006 18:00 | 17.2   | 56.5              |
| 10/10/2006 19:00 | 17.5   | 54.8              |
| 10/10/2006 20:00 | 23.5   | 66.7              |
| 10/10/2006 21:00 | 27.0   | 70.1              |
| 10/10/2006 22:00 | 21.5   | 47.0              |
| 10/10/2006 23:00 | 15.9   | 33.3              |
| 10/11/2006 0:00  | 12.4   | 24.1              |
| 10/11/2006 1:00  | 17.8   | 21.8              |
| 10/11/2006 2:00  | 11.5   | 20.6              |
| 10/11/2006 3:00  | 18.6   | 18.2              |
| 10/11/2006 4:00  | 10.2   | 22.0              |
| 10/11/2006 5:00  | 23.2   | 19.1              |
| 10/11/2006 6:00  | 36.8   | 5.8               |
| 10/11/2006 7:00  | 11.1   | 9.1               |
| 10/11/2006 8:00  | 31.8   | 4.8               |
| 10/11/2006 9:00  | 34.8   | 6.2               |
| 10/11/2006 10:00 | 49.4   | 6.5               |
| 10/11/2006 11:00 | 29.9   | 4.8               |
| 10/11/2006 12:00 | 17.8   | 3.0               |
| 10/11/2006 13:00 | 17.9   | 3.7               |
| 10/11/2006 14:00 | 15.1   | 3.8               |
| 10/11/2006 15:00 | 21.5   | 4.2               |
| 10/11/2006 16:00 | 23.5   | 6.8               |
| 10/11/2006 17:00 | 17.3   | 5.7               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                        |
|------------------|--|------------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College      |
| 10/11/2006 18:00 | 19.0   | 4.7                    |
| 10/11/2006 19:00 | 20.6   | 4.4                    |
| 10/11/2006 20:00 | 20.5   | 3.8                    |
| 10/11/2006 21:00 | 24.2   | 3.8                    |
| 10/11/2006 22:00 | 19.6   | 1.8                    |
| 10/11/2006 23:00 | 19.3   | 0.8                    |
| 10/12/2006 0:00  | 18.8   | 0.5                    |
| 10/12/2006 1:00  | 13.1   | <b>outlier removed</b> |
| 10/12/2006 2:00  | 11.1   | <b>outlier removed</b> |
| 10/12/2006 3:00  | 6.7  | <b>outlier removed</b> |
| 10/12/2006 4:00  | 14.6   | <b>outlier removed</b> |
| 10/12/2006 5:00  | 16.5   | 3.4                    |
| 10/12/2006 6:00  | 24.5   | 0.2                    |
| 10/12/2006 7:00  | 22.8   | <b>outlier removed</b> |
| 10/12/2006 8:00  | 23.0   | <b>outlier removed</b> |
| 10/12/2006 9:00  | 26.4   | 1.1                    |
| 10/12/2006 10:00 | 23.3   | <b>outlier removed</b> |
| 10/12/2006 11:00 | 21.6   | <b>outlier removed</b> |
| 10/12/2006 12:00 | 15.3   | <b>outlier removed</b> |
| 10/12/2006 13:00 | 14.2   | <b>outlier removed</b> |
| 10/12/2006 14:00 | 12.9   | <b>outlier removed</b> |
| 10/12/2006 15:00 | 15.9   | <b>outlier removed</b> |
| 10/12/2006 16:00 | 14.8   | <b>outlier removed</b> |
| 10/12/2006 17:00 | 12.1   | <b>outlier removed</b> |
| 10/12/2006 18:00 | 21.9   | <b>outlier removed</b> |
| 10/12/2006 19:00 | 27.0   | 0.2                    |
| 10/12/2006 20:00 | 38.1   | 1.0                    |
| 10/12/2006 21:00 | 25.8   | 1.9                    |
| 10/12/2006 22:00 | 22.0   | 1.1                    |
| 10/12/2006 23:00 | 16.9   | <b>outlier removed</b> |
| 10/13/2006 0:00  | 11.8   | <b>outlier removed</b> |
| 10/13/2006 1:00  | 7.0  | <b>outlier removed</b> |
| 10/13/2006 2:00  | 7.5  | 3.0                    |
| 10/13/2006 3:00  | 5.8  | 2.5                    |
| 10/13/2006 4:00  | 5.6  | 3.5                    |
| 10/13/2006 5:00  | 8.6  | 3.2                    |
| 10/13/2006 6:00  | 8.1  | 3.5                    |
| 10/13/2006 7:00  | 9.4  | 0.4                    |
| 10/13/2006 8:00  | 10.0   | <b>outlier removed</b> |
| 10/13/2006 9:00  | 12.4   | 0.9                    |
| 10/13/2006 10:00 | 10.9   | 0.8                    |
| 10/13/2006 11:00 | 10.2   | <b>outlier removed</b> |
| 10/13/2006 12:00 | 11.6   | <b>outlier removed</b> |



# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/13/2006 13:00 | 10.6   | outlier removed   |
| 10/13/2006 14:00 | 10.5   | outlier removed   |
| 10/13/2006 15:00 | 13.4   | outlier removed   |
| 10/13/2006 16:00 | 14.9   | outlier removed   |
| 10/13/2006 17:00 | 17.6   | outlier removed   |
| 10/13/2006 18:00 | 29.9   | 0.8               |
| 10/13/2006 19:00 | 18.8   | 0.1               |
| 10/13/2006 20:00 | 22.2   | outlier removed   |
| 10/13/2006 21:00 | 22.0   | 0.03              |
| 10/13/2006 22:00 | 13.6   | outlier removed   |
| 10/13/2006 23:00 | 9.0  | outlier removed   |
| 10/14/2006 0:00  | 8.4  | outlier removed   |
| 10/14/2006 1:00  | 4.9  | outlier removed   |
| 10/14/2006 2:00  | 3.6  | outlier removed   |
| 10/14/2006 3:00  | 5.1  | outlier removed   |
| 10/14/2006 4:00  | 5.0  | outlier removed   |
| 10/14/2006 5:00  | 5.9  | 0.2               |
| 10/14/2006 6:00  | 5.7  | 1.4               |
| 10/14/2006 7:00  | 10.4   | 1.3               |
| 10/14/2006 8:00  | 7.8  | outlier removed   |
| 10/14/2006 9:00  | 16.0   | outlier removed   |
| 10/14/2006 10:00 | 23.1   | 4.1               |
| 10/14/2006 11:00 | 18.1   | 3.5               |
| 10/14/2006 12:00 | 11.8   | 0.7               |
| 10/14/2006 13:00 | 11.0   | outlier removed   |
| 10/14/2006 14:00 | 10.4   | 0.3               |
| 10/14/2006 15:00 | 9.1  | 1.2               |
| 10/14/2006 16:00 | 9.6  | 1.7               |
| 10/14/2006 17:00 | 7.7  | 1.3               |
| 10/14/2006 18:00 | 7.1  | 1.4               |
| 10/14/2006 19:00 | 9.3  | 1.0               |
| 10/14/2006 20:00 | 15.8   | 0.8               |
| 10/14/2006 21:00 | 14.3   | 6.6               |
| 10/14/2006 22:00 | 26.3   | 6.3               |
| 10/14/2006 23:00 | 22.6   | 1.8               |
| 10/15/2006 0:00  | 30.9   | 2.6               |
| 10/15/2006 1:00  | 25.8   | 5.0               |
| 10/15/2006 2:00  | 15.8   | 4.2               |
| 10/15/2006 3:00  | 13.3   | 6.6               |
| 10/15/2006 4:00  | 16.1   | 6.6               |
| 10/15/2006 5:00  | 23.4   | 3.3               |
| 10/15/2006 6:00  | 17.9   | 8.5               |
| 10/15/2006 7:00  | 37.4   | 9.1               |

## Appendix A1

### Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                        |
|------------------|--|------------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College      |
| 10/15/2006 8:00  | 29.3   | 3.4                    |
| 10/15/2006 9:00  | 36.0   | 1.9                    |
| 10/15/2006 10:00 | 12.0   | 1.5                    |
| 10/15/2006 11:00 | 8.5  | <b>outlier removed</b> |
| 10/15/2006 12:00 | 7.8  | <b>outlier removed</b> |
| 10/15/2006 13:00 | 7.2  | 0.6                    |
| 10/15/2006 14:00 | 7.4  | 0.9                    |
| 10/15/2006 15:00 | 9.1  | 1.6                    |
| 10/15/2006 16:00 | 10.0   | 2.3                    |
| 10/15/2006 17:00 | 14.0   | 3.3                    |
| 10/15/2006 18:00 | 20.7   | 4.5                    |
| 10/15/2006 19:00 | 31.8   | 4.6                    |
| 10/15/2006 20:00 | 45.2   | 3.3                    |
| 10/15/2006 21:00 | 35.8   | 3.3                    |
| 10/15/2006 22:00 | 31.4   | 2.6                    |
| 10/15/2006 23:00 | 19.9   | 2.2                    |
| 10/16/2006 0:00  | 34.1   | 1.3                    |
| 10/16/2006 1:00  | 57.5   | 4.1                    |
| 10/16/2006 2:00  | 62.5   | 7.1                    |
| 10/16/2006 3:00  | 53.2   | 6.5                    |
| 10/16/2006 4:00  | 53.6   | 4.8                    |
| 10/16/2006 5:00  | 28.2   | 29.1                   |
| 10/16/2006 6:00  | 27.6   | 32.2                   |
| 10/16/2006 7:00  | 37.1   | 3.5                    |
| 10/16/2006 8:00  | 30.5   | 5.1                    |
| 10/16/2006 9:00  | 42.7   | 10.2                   |
| 10/16/2006 10:00 | 30.0   | 11.2                   |
| 10/16/2006 11:00 | 33.4   | 4.7                    |
| 10/16/2006 12:00 | 35.4   | 5.6                    |
| 10/16/2006 13:00 | 42.9   | 8.0                    |
| 10/16/2006 14:00 | 41.9   | 9.6                    |
| 10/16/2006 15:00 | 17.2   | 9.2                    |
| 10/16/2006 16:00 | 15.8   | 8.8                    |
| 10/16/2006 17:00 | 14.6   | 8.2                    |
| 10/16/2006 18:00 | 22.3   | 11.2                   |
| 10/16/2006 19:00 | 32.0   | 11.9                   |
| 10/16/2006 20:00 | 39.2   | 10.6                   |
| 10/16/2006 21:00 | 30.3   | 9.4                    |
| 10/16/2006 22:00 | 21.4   | 8.9                    |
| 10/16/2006 23:00 | 18.5   | 8.7                    |
| 10/17/2006 0:00  | 14.4   | 6.3                    |
| 10/17/2006 1:00  | 9.9  | 4.6                    |
| 10/17/2006 2:00  | 7.0  | 3.6                    |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                        |
|------------------|--|------------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College      |
| 10/17/2006 3:00  | 5.8  | 3.7                    |
| 10/17/2006 4:00  | 7.7  | 5.7                    |
| 10/17/2006 5:00  | 5.8  | 2.7                    |
| 10/17/2006 6:00  | 4.9  | 1.6                    |
| 10/17/2006 7:00  | 3.7  | 0.5                    |
| 10/17/2006 8:00  | 4.7  | <b>outlier removed</b> |
| 10/17/2006 9:00  | 4.8  | 0.01                   |
| 10/17/2006 10:00 | 5.5  | <b>outlier removed</b> |
| 10/17/2006 11:00 | 17.7   | <b>outlier removed</b> |
| 10/17/2006 12:00 | 25.7   | 0.6                    |
| 10/17/2006 13:00 | 22.2   | 1.5                    |
| 10/17/2006 14:00 | 20.9   | 2.0                    |
| 10/17/2006 15:00 | 23.7   | 3.7                    |
| 10/17/2006 16:00 | 24.5   | 4.2                    |
| 10/17/2006 17:00 | 23.3   | 4.5                    |
| 10/17/2006 18:00 | 23.1   | 6.1                    |
| 10/17/2006 19:00 | 24.1   | 5.9                    |
| 10/17/2006 20:00 | 27.8   | 4.8                    |
| 10/17/2006 21:00 | 21.0   | 3.6                    |
| 10/17/2006 22:00 | 25.8   | 3.4                    |
| 10/17/2006 23:00 | 28.4   | 3.2                    |
| 10/18/2006 0:00  | 29.1   | 3.9                    |
| 10/18/2006 1:00  | 28.5   | 4.6                    |
| 10/18/2006 2:00  | 22.5   | 5.5                    |
| 10/18/2006 3:00  | 21.4   | 3.8                    |
| 10/18/2006 4:00  | 23.4   | 4.5                    |
| 10/18/2006 5:00  | 24.5   | 4.0                    |
| 10/18/2006 6:00  | 21.9   | 3.4                    |
| 10/18/2006 7:00  | 38.5   | 3.4                    |
| 10/18/2006 8:00  | 45.8   | 4.9                    |
| 10/18/2006 9:00  | 43.0   | 6.8                    |
| 10/18/2006 10:00 | 50.2   | 8.4                    |
| 10/18/2006 11:00 | 42.3   | 10.0                   |
| 10/18/2006 12:00 | 45.5   | 12.5                   |
| 10/18/2006 13:00 | 37.5   | 14.5                   |
| 10/18/2006 14:00 | 38.3   | 12.1                   |
| 10/18/2006 15:00 | 40.4   | 11.4                   |
| 10/18/2006 16:00 | 41.2   | 9.8                    |
| 10/18/2006 17:00 | 34.6   | 8.0                    |
| 10/18/2006 18:00 | 39.3   | 6.1                    |
| 10/18/2006 19:00 | 43.5   | 4.7                    |
| 10/18/2006 20:00 | 35.2   | 4.8                    |
| 10/18/2006 21:00 | 31.3   | 3.9                    |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/18/2006 22:00 | 27.1   | 3.5               |
| 10/18/2006 23:00 | 25.8   | 3.7               |
| 10/19/2006 0:00  | 21.4   | 3.2               |
| 10/19/2006 1:00  | 13.2   | 3.2               |
| 10/19/2006 2:00  | 11.9   | 4.1               |
| 10/19/2006 3:00  | 13.6   | 4.8               |
| 10/19/2006 4:00  | 13.4   | 6.1               |
| 10/19/2006 5:00  | 16.8   | 6.3               |
| 10/19/2006 6:00  | 18.3   | 10.0              |
| 10/19/2006 7:00  | 31.3   | 14.7              |
| 10/19/2006 8:00  | 29.2   | 15.6              |
| 10/19/2006 9:00  | 33.8   | 19.1              |
| 10/19/2006 10:00 | 40.1   | 18.8              |
| 10/19/2006 11:00 | 50.3   | 11.1              |
| 10/19/2006 12:00 | 35.3   | 19.4              |
| 10/19/2006 13:00 | 33.5   | 22.5              |
| 10/19/2006 14:00 | 35.9   | 16.1              |
| 10/19/2006 15:00 | 31.3   | 19.7              |
| 10/19/2006 16:00 | 45.9   | 23.7              |
| 10/19/2006 17:00 | 44.4   | 20.7              |
| 10/19/2006 18:00 | 37.7   | 25.3              |
| 10/19/2006 19:00 | 37.5   | 22.1              |
| 10/19/2006 20:00 | 50.8   | 21.9              |
| 10/19/2006 21:00 | 35.2   | 32.5              |
| 10/19/2006 22:00 | 26.4   | 34.2              |
| 10/19/2006 23:00 | 14.8   | 30.3              |
| 10/20/2006 0:00  | 46.4   | 25.6              |
| 10/20/2006 1:00  | 43.9   | 29.4              |
| 10/20/2006 2:00  | 33.2   | 18.9              |
| 10/20/2006 3:00  | 17.6   | 21.8              |
| 10/20/2006 4:00  | 24.9   | 22.3              |
| 10/20/2006 5:00  | 53.2   | 25.3              |
| 10/20/2006 6:00  | 39.2   | 25.9              |
| 10/20/2006 7:00  | 35.1   | 30.2              |
| 10/20/2006 8:00  | 80.0   | 30.4              |
| 10/20/2006 9:00  | 58.9   | 33.4              |
| 10/20/2006 10:00 | 62.0   | 27.2              |
| 10/20/2006 11:00 | 49.7   | 25.2              |
| 10/20/2006 12:00 | 45.9   | 14.6              |
| 10/20/2006 13:00 | 32.3   | 14.0              |
| 10/20/2006 14:00 | 34.3   | 14.3              |
| 10/20/2006 15:00 | 37.1   | 6.5               |
| 10/20/2006 16:00 | 28.1   | 1.9               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/20/2006 17:00 | 24.9   | 2.5               |
| 10/20/2006 18:00 | 31.0   | 2.6               |
| 10/20/2006 19:00 | 43.8   | 1.8               |
| 10/20/2006 20:00 | 33.2   | 3.5               |
| 10/20/2006 21:00 | 68.7   | 4.6               |
| 10/20/2006 22:00 | 75.0   | 4.6               |
| 10/20/2006 23:00 | 71.3   | 12.1              |
| 10/21/2006 0:00  | 42.0   | 7.9               |
| 10/21/2006 1:00  | 34.3   | 10.0              |
| 10/21/2006 2:00  | 38.9   | 10.7              |
| 10/21/2006 3:00  | 32.5   | 5.4               |
| 10/21/2006 4:00  | 24.5   | 3.0               |
| 10/21/2006 5:00  | 15.7   | 2.1               |
| 10/21/2006 6:00  | 15.1   | 1.7               |
| 10/21/2006 7:00  | 14.4   | 2.0               |
| 10/21/2006 8:00  | 18.8   | 2.9               |
| 10/21/2006 9:00  | 25.7   | 2.7               |
| 10/21/2006 10:00 | 30.1   | 5.1               |
| 10/21/2006 11:00 | 25.5   | 3.5               |
| 10/21/2006 12:00 | 22.1   | 3.7               |
| 10/21/2006 13:00 | 23.4   | 4.2               |
| 10/21/2006 14:00 | 23.6   | 5.8               |
| 10/21/2006 15:00 | 19.9   | 5.5               |
| 10/21/2006 16:00 | 18.7   | 4.0               |
| 10/21/2006 17:00 | 12.8   | 4.8               |
| 10/21/2006 18:00 | 14.9   | 4.7               |
| 10/21/2006 19:00 | 16.9   | 3.8               |
| 10/21/2006 20:00 | 22.8   | 3.0               |
| 10/21/2006 21:00 | 29.5   | 2.6               |
| 10/21/2006 22:00 | 25.9   | 1.7               |
| 10/21/2006 23:00 | 13.3   | 3.5               |
| 10/22/2006 0:00  | 13.6   | 3.4               |
| 10/22/2006 1:00  | 4.9  | 19.3              |
| 10/22/2006 2:00  | 12.3   | 7.9               |
| 10/22/2006 3:00  | 9.7  | 9.9               |
| 10/22/2006 4:00  | 8.6  | 10.9              |
| 10/22/2006 5:00  | 9.0  | 10.5              |
| 10/22/2006 6:00  | 8.5  | 7.9               |
| 10/22/2006 7:00  | 11.8   | 6.4               |
| 10/22/2006 8:00  | 15.2   | 2.2               |
| 10/22/2006 9:00  | 20.2   | 2.4               |
| 10/22/2006 10:00 | 15.8   | 3.2               |
| 10/22/2006 11:00 | 18.3   | 2.6               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                        |
|------------------|--|------------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College      |
| 10/22/2006 12:00 | 16.7   | 1.8                    |
| 10/22/2006 13:00 | 14.3   | 1.6                    |
| 10/22/2006 14:00 | 16.0   | 1.3                    |
| 10/22/2006 15:00 | 14.6   | 0.3                    |
| 10/22/2006 16:00 | 9.7  | <b>outlier removed</b> |
| 10/22/2006 17:00 | 9.0  | 0.01                   |
| 10/22/2006 18:00 | 15.8   | 1.5                    |
| 10/22/2006 19:00 | 18.4   | 9.6                    |
| 10/22/2006 20:00 | 12.4   | 5.6                    |
| 10/22/2006 21:00 | 12.5   | 6.3                    |
| 10/22/2006 22:00 | 17.9   | 5.9                    |
| 10/22/2006 23:00 | 17.5   | 6.4                    |
| 10/23/2006 0:00  | 17.8   | 8.4                    |
| 10/23/2006 1:00  | 12.2   | 0.9                    |
| 10/23/2006 2:00  | 9.4  | 0.6                    |
| 10/23/2006 3:00  | 7.9  | 0.1                    |
| 10/23/2006 4:00  | 6.3  | <b>outlier removed</b> |
| 10/23/2006 5:00  | 7.6  | <b>outlier removed</b> |
| 10/23/2006 6:00  | 12.3   | 0.2                    |
| 10/23/2006 7:00  | 21.5   | 1.7                    |
| 10/23/2006 8:00  | 27.0   | 3.1                    |
| 10/23/2006 9:00  | 32.1   | 3.4                    |
| 10/23/2006 10:00 | 31.9   | 2.9                    |
| 10/23/2006 11:00 | 27.6   | 2.9                    |
| 10/23/2006 12:00 | 27.6   | 1.9                    |
| 10/23/2006 13:00 | 24.9   | 1.5                    |
| 10/23/2006 14:00 | 30.8   | 1.2                    |
| 10/23/2006 15:00 | 25.2   | 1.6                    |
| 10/23/2006 16:00 | 26.8   | 1.8                    |
| 10/23/2006 17:00 | 30.0   | 1.7                    |
| 10/23/2006 18:00 | 29.6   | 1.5                    |
| 10/23/2006 19:00 | 27.9   | 3.3                    |
| 10/23/2006 20:00 | 28.1   | 4.0                    |
| 10/23/2006 21:00 | 27.8   | 4.2                    |
| 10/23/2006 22:00 | 30.7   | 4.0                    |
| 10/23/2006 23:00 | 25.2   | 4.5                    |
| 10/24/2006 0:00  | 21.5   | 3.2                    |
| 10/24/2006 1:00  | 21.1   | 2.3                    |
| 10/24/2006 2:00  | 19.4   | 3.7                    |
| 10/24/2006 3:00  | 18.3   | 3.2                    |
| 10/24/2006 4:00  | 20.0   | 3.0                    |
| 10/24/2006 5:00  | 28.3   | 2.8                    |
| 10/24/2006 6:00  | 33.4   | 3.7                    |

## Appendix A1

### Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/24/2006 7:00  | 36.8   | 6.2               |
| 10/24/2006 8:00  | 35.4   | 13.1              |
| 10/24/2006 9:00  | 34.7   | 16.2              |
| 10/24/2006 10:00 | 33.7   | 15.4              |
| 10/24/2006 11:00 | 25.8   | 15.2              |
| 10/24/2006 12:00 | 24.4   | 10.7              |
| 10/24/2006 13:00 | 26.8   | 10.7              |
| 10/24/2006 14:00 | 26.4   | 8.9               |
| 10/24/2006 15:00 | 32.3   | 11.6              |
| 10/24/2006 16:00 | 29.0   | 13.1              |
| 10/24/2006 17:00 | 35.3   | 21.0              |
| 10/24/2006 18:00 | 35.5   | 21.8              |
| 10/24/2006 19:00 | 51.1   | 31.5              |
| 10/24/2006 20:00 | 59.8   | 44.1              |
| 10/24/2006 21:00 | 30.9   | 24.3              |
| 10/24/2006 22:00 | 47.7   | 20.9              |
| 10/24/2006 23:00 | 40.8   | 22.4              |
| 10/25/2006 0:00  | 41.8   | 25.0              |
| 10/25/2006 1:00  | 35.1   | 21.7              |
| 10/25/2006 2:00  | 26.3   | 17.8              |
| 10/25/2006 3:00  | 28.7   | 18.0              |
| 10/25/2006 4:00  | 31.5   | 17.8              |
| 10/25/2006 5:00  | 30.9   | 16.2              |
| 10/25/2006 6:00  | 36.0   | 7.5               |
| 10/25/2006 7:00  | 57.9   | 10.7              |
| 10/25/2006 8:00  | 61.7   | 16.0              |
| 10/25/2006 9:00  | 88.0   | 32.0              |
| 10/25/2006 10:00 | 57.6   | 23.9              |
| 10/25/2006 11:00 | 40.8   | 20.5              |
| 10/25/2006 12:00 | 34.9   | 12.9              |
| 10/25/2006 13:00 | 30.2   | 20.0              |
| 10/25/2006 14:00 | 40.1   | 16.0              |
| 10/25/2006 15:00 | 40.4   | 21.2              |
| 10/25/2006 16:00 | 30.4   | 14.3              |
| 10/25/2006 17:00 | 37.5   | 24.8              |
| 10/25/2006 18:00 | 33.1   | 30.1              |
| 10/25/2006 19:00 | 25.5   | 53.3              |
| 10/25/2006 20:00 | 17.6   | 67.4              |
| 10/25/2006 21:00 | 22.6   | 36.4              |
| 10/25/2006 22:00 | 47.2   | 40.5              |
| 10/25/2006 23:00 | 45.4   | 7.9               |
| 10/26/2006 0:00  | 53.1   | 7.4               |
| 10/26/2006 1:00  | 34.7   | 55.9              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/26/2006 2:00  | 19.0   | 92.6              |
| 10/26/2006 3:00  | 28.2   | 100.2             |
| 10/26/2006 4:00  | 58.9   | 68.4              |
| 10/26/2006 5:00  | 121.1  | 97.4              |
| 10/26/2006 6:00  | 122.2  | 128.5             |
| 10/26/2006 7:00  | 84.3   | 132.9             |
| 10/26/2006 8:00  | 118.9  | 139.7             |
| 10/26/2006 9:00  | 93.0   | 190.6             |
| 10/26/2006 10:00 | 89.8   | 138.8             |
| 10/26/2006 11:00 | 71.1   | 21.2              |
| 10/26/2006 12:00 | 14.4   | 5.1               |
| 10/26/2006 13:00 | 12.7   | 6.7               |
| 10/26/2006 14:00 | 15.1   | 3.3               |
| 10/26/2006 15:00 | 22.6   | 2.8               |
| 10/26/2006 16:00 | 29.1   | 2.7               |
| 10/26/2006 17:00 | 24.4   | 1.7               |
| 10/26/2006 18:00 | 3.9  | 3.6               |
| 10/26/2006 19:00 | 6.1  | 5.7               |
| 10/26/2006 20:00 | 3.9  | 32.5              |
| 10/26/2006 21:00 | 1.7  | 24.4              |
| 10/26/2006 22:00 | 2.9  | 35.5              |
| 10/26/2006 23:00 | <b>outlier removed</b>   | 36.2              |
| 10/27/2006 0:00  | 12.8   | 45.0              |
| 10/27/2006 1:00  | 12.3   | 32.7              |
| 10/27/2006 2:00  | <b>outlier removed</b>   | 21.4              |
| 10/27/2006 3:00  | <b>outlier removed</b>   | 25.3              |
| 10/27/2006 4:00  | <b>outlier removed</b>   | 27.2              |
| 10/27/2006 5:00  | <b>outlier removed</b>   | 20.2              |
| 10/27/2006 6:00  | <b>outlier removed</b>   | 20.1              |
| 10/27/2006 7:00  | 6.0  | 25.2              |
| 10/27/2006 8:00  | 9.7  | 36.0              |
| 10/27/2006 9:00  | 28.1   | 42.4              |
| 10/27/2006 10:00 | 15.2   | 29.5              |
| 10/27/2006 11:00 | 12.0   | 45.7              |
| 10/27/2006 12:00 | 14.6   | 53.1              |
| 10/27/2006 13:00 | 15.8   | 48.0              |
| 10/27/2006 14:00 | 22.0   | 48.0              |
| 10/27/2006 15:00 | 19.1   | 41.9              |
| 10/27/2006 16:00 | 23.1   | 47.7              |
| 10/27/2006 17:00 | 24.1   | 37.3              |
| 10/27/2006 18:00 | 20.1   | 34.5              |
| 10/27/2006 19:00 | 22.9   | 36.2              |
| 10/27/2006 20:00 | 19.9   | 27.9              |



# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/27/2006 21:00 | 22.0   | 29.9              |
| 10/27/2006 22:00 | 31.4   | 30.0              |
| 10/27/2006 23:00 | 50.2   | 37.0              |
| 10/28/2006 0:00  | 42.5   | 37.5              |
| 10/28/2006 1:00  | 33.2   | 29.3              |
| 10/28/2006 2:00  | 32.4   | 20.7              |
| 10/28/2006 3:00  | 33.3   | 19.0              |
| 10/28/2006 4:00  | 38.2   | 19.1              |
| 10/28/2006 5:00  | 31.2   | 14.2              |
| 10/28/2006 6:00  | 22.8   | 12.8              |
| 10/28/2006 7:00  | 27.8   | 11.9              |
| 10/28/2006 8:00  | 46.3   | 12.5              |
| 10/28/2006 9:00  | 43.5   | 8.3               |
| 10/28/2006 10:00 | 35.8   | 7.7               |
| 10/28/2006 11:00 | 41.6   | 7.2               |
| 10/28/2006 12:00 | 30.7   | 5.8               |
| 10/28/2006 13:00 | 32.4   | 4.2               |
| 10/28/2006 14:00 | 20.8   | 3.3               |
| 10/28/2006 15:00 | 36.6   | 3.8               |
| 10/28/2006 16:00 | 43.8   | 9.5               |
| 10/28/2006 17:00 | 30.9   | 7.6               |
| 10/28/2006 18:00 | 36.0   | 3.3               |
| 10/28/2006 19:00 | 40.6   | 2.9               |
| 10/28/2006 20:00 | 16.8   | 3.4               |
| 10/28/2006 21:00 | 30.4   | 6.6               |
| 10/28/2006 22:00 | 34.3   | 3.1               |
| 10/28/2006 23:00 | 34.0   | 5.4               |
| 10/29/2006 0:00  | 25.5   | 4.7               |
| 10/29/2006 1:00  | 23.2   | 4.8               |
| 10/29/2006 2:00  | 21.6   | 3.6               |
| 10/29/2006 3:00  | 16.7   | 2.4               |
| 10/29/2006 4:00  | 13.1   | 2.4               |
| 10/29/2006 5:00  | 8.2  | 1.8               |
| 10/29/2006 6:00  | 8.0  | 1.6               |
| 10/29/2006 7:00  | 13.4   | 2.7               |
| 10/29/2006 8:00  | 13.7   | 2.4               |
| 10/29/2006 9:00  | 22.4   | 4.0               |
| 10/29/2006 10:00 | 24.3   | 3.4               |
| 10/29/2006 11:00 | 22.5   | 2.9               |
| 10/29/2006 12:00 | 28.3   | 2.1               |
| 10/29/2006 13:00 | 25.2   | 4.5               |
| 10/29/2006 14:00 | 21.9   | 1.6               |
| 10/29/2006 15:00 | 18.1   | 1.1               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/29/2006 16:00 | 15.2   | 1.2               |
| 10/29/2006 17:00 | 22.5   | 1.6               |
| 10/29/2006 18:00 | 23.5   | 1.7               |
| 10/29/2006 19:00 | 43.4   | 3.2               |
| 10/29/2006 20:00 | 72.2   | 5.9               |
| 10/29/2006 21:00 | 73.4   | 8.0               |
| 10/29/2006 22:00 | 66.3   | 5.9               |
| 10/29/2006 23:00 | 77.4   | 6.3               |
| 10/30/2006 0:00  | 78.8   | 6.7               |
| 10/30/2006 1:00  | 93.3   | 9.5               |
| 10/30/2006 2:00  | 86.7   | 19.8              |
| 10/30/2006 3:00  | 114.5  | 74.0              |
| 10/30/2006 4:00  | 262.1  | 16.0              |
| 10/30/2006 5:00  | 98.9   | 56.4              |
| 10/30/2006 6:00  | 135.8  | 19.2              |
| 10/30/2006 7:00  | 119.4  | 16.4              |
| 10/30/2006 8:00  | 318.9  | 19.1              |
| 10/30/2006 9:00  | 163.4  | 25.5              |
| 10/30/2006 10:00 | 130.7  | 11.3              |
| 10/30/2006 11:00 | 63.7   | 9.8               |
| 10/30/2006 12:00 | 67.1   | 11.2              |
| 10/30/2006 13:00 | 73.7   | 15.8              |
| 10/30/2006 14:00 | 69.9   | 17.3              |
| 10/30/2006 15:00 | 74.4   | 19.8              |
| 10/30/2006 16:00 | 59.2   | 9.1               |
| 10/30/2006 17:00 | 60.0   | 8.8               |
| 10/30/2006 18:00 | 59.8   | 6.7               |
| 10/30/2006 19:00 | 79.4   | 5.8               |
| 10/30/2006 20:00 | 60.9   | 6.9               |
| 10/30/2006 21:00 | 64.5   | 7.7               |
| 10/30/2006 22:00 | 46.5   | 4.2               |
| 10/30/2006 23:00 | 41.7   | 2.7               |
| 10/31/2006 0:00  | 34.3   | 3.1               |
| 10/31/2006 1:00  | 50.2   | 5.0               |
| 10/31/2006 2:00  | 52.9   | 9.2               |
| 10/31/2006 3:00  | 37.9   | 7.6               |
| 10/31/2006 4:00  | 29.1   | 5.4               |
| 10/31/2006 5:00  | 27.3   | 5.6               |
| 10/31/2006 6:00  | 21.5   | 4.0               |
| 10/31/2006 7:00  | 24.8   | 2.8               |
| 10/31/2006 8:00  | 25.9   | 6.1               |
| 10/31/2006 9:00  | 42.8   | 6.7               |
| 10/31/2006 10:00 | 46.2   | 9.3               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 10/31/2006 11:00 | 50.8   | 5.7               |
| 10/31/2006 12:00 | 43.7   | 5.0               |
| 10/31/2006 13:00 | 54.8   | 5.8               |
| 10/31/2006 14:00 | 57.9   | 8.5               |
| 10/31/2006 15:00 | 59.6   | 8.6               |
| 10/31/2006 16:00 | 29.3   | 8.4               |
| 10/31/2006 17:00 | 28.7   | 10.5              |
| 10/31/2006 18:00 | 29.7   | 8.1               |
| 10/31/2006 19:00 | 45.6   | 9.8               |
| 10/31/2006 20:00 | 45.5   | 16.6              |
| 10/31/2006 21:00 | 45.7   | 21.2              |
| 10/31/2006 22:00 | 42.5   | 19.0              |
| 10/31/2006 23:00 | 35.0   | 21.0              |
| 11/1/2006 0:00   | 49.2   | 21.5              |
| 11/1/2006 1:00   | 56.4   | 15.7              |
| 11/1/2006 2:00   | 61.7   | 13.5              |
| 11/1/2006 3:00   | 48.7   | 18.6              |
| 11/1/2006 4:00   | 38.6   | 32.4              |
| 11/1/2006 5:00   | 44.1   | 34.0              |
| 11/1/2006 6:00   | 33.6   | 35.2              |
| 11/1/2006 7:00   | 57.1   | 45.9              |
| 11/1/2006 8:00   | 55.3   | 22.6              |
| 11/1/2006 9:00   | 96.8   | 35.6              |
| 11/1/2006 10:00  | 91.1   | 31.8              |
| 11/1/2006 11:00  | 58.8   | 18.5              |
| 11/1/2006 12:00  | 37.3   | 15.2              |
| 11/1/2006 13:00  | 120.9  | 8.5               |
| 11/1/2006 14:00  | 26.0   | 5.5               |
| 11/1/2006 15:00  | 24.0   | 4.9               |
| 11/1/2006 16:00  | 30.3   | 5.5               |
| 11/1/2006 17:00  | 34.0   | 6.5               |
| 11/1/2006 18:00  | 41.9   | 9.7               |
| 11/1/2006 19:00  | 44.5   | 12.3              |
| 11/1/2006 20:00  | 40.7   | 9.2               |
| 11/1/2006 21:00  | 43.6   | 16.6              |
| 11/1/2006 22:00  | 36.9   | 31.1              |
| 11/1/2006 23:00  | 38.1   | 17.4              |
| 11/2/2006 0:00   | 45.0   | 14.0              |
| 11/2/2006 1:00   | 48.5   | 19.3              |
| 11/2/2006 2:00   | 47.9   | 13.1              |
| 11/2/2006 3:00   | 61.8   | 15.6              |
| 11/2/2006 4:00   | 41.2   | 14.1              |
| 11/2/2006 5:00   | 29.8   | 11.5              |

## Appendix A1

### Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/2/2006 6:00  | 33.0   | 10.2              |
| 11/2/2006 7:00  | 37.3   | 14.5              |
| 11/2/2006 8:00  | 42.2   | 13.8              |
| 11/2/2006 9:00  | 51.0   | 18.2              |
| 11/2/2006 10:00 | 76.6   | 35.3              |
| 11/2/2006 11:00 | 73.4   | 39.5              |
| 11/2/2006 12:00 | 55.2   | 27.8              |
| 11/2/2006 13:00 | 39.7   | 11.6              |
| 11/2/2006 14:00 | 43.2   | 8.3               |
| 11/2/2006 15:00 | 47.1   | 20.1              |
| 11/2/2006 16:00 | 79.3   | 14.1              |
| 11/2/2006 17:00 | 39.4   | 12.7              |
| 11/2/2006 18:00 | 36.3   | 11.2              |
| 11/2/2006 19:00 | 34.1   | 9.4               |
| 11/2/2006 20:00 | 55.3   | 12.6              |
| 11/2/2006 21:00 | 34.9   | 9.8               |
| 11/2/2006 22:00 | 44.2   | 8.9               |
| 11/2/2006 23:00 | 33.7   | 13.0              |
| 11/3/2006 0:00  | 34.0   | 12.4              |
| 11/3/2006 1:00  | 40.7   | 14.2              |
| 11/3/2006 2:00  | 34.6   | 11.2              |
| 11/3/2006 3:00  | 40.7   | 6.7               |
| 11/3/2006 4:00  | 28.4   | 6.5               |
| 11/3/2006 5:00  | 22.6   | 6.5               |
| 11/3/2006 6:00  | 34.0   | 6.4               |
| 11/3/2006 7:00  | 44.5   | 9.0               |
| 11/3/2006 8:00  | 38.9   | 12.5              |
| 11/3/2006 9:00  | 42.8   | 13.5              |
| 11/3/2006 10:00 | 50.5   | 15.2              |
| 11/3/2006 11:00 | 40.7   | 14.3              |
| 11/3/2006 12:00 | 40.1   | 15.1              |
| 11/3/2006 13:00 | 29.9   | 10.0              |
| 11/3/2006 14:00 | 28.5   | 9.3               |
| 11/3/2006 15:00 | 25.3   | 8.0               |
| 11/3/2006 16:00 | 31.4   | 7.1               |
| 11/3/2006 17:00 | 31.3   | 8.7               |
| 11/3/2006 18:00 | 33.4   | 10.1              |
| 11/3/2006 19:00 | 41.8   | 11.3              |
| 11/3/2006 20:00 | 49.7   | 12.9              |
| 11/3/2006 21:00 | 50.0   | 14.5              |
| 11/3/2006 22:00 | 60.4   | 20.5              |
| 11/3/2006 23:00 | 48.3   | 17.5              |
| 11/4/2006 0:00  | 78.1   | 15.7              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/4/2006 1:00  | 63.2   | 31.8              |
| 11/4/2006 2:00  | 60.9   | 32.6              |
| 11/4/2006 3:00  | 82.4   | 27.5              |
| 11/4/2006 4:00  | 87.1   | 28.9              |
| 11/4/2006 5:00  | 57.0   | 43.0              |
| 11/4/2006 6:00  | 72.4   | 133.5             |
| 11/4/2006 7:00  | 68.8   | 160.6             |
| 11/4/2006 8:00  | 85.2   | 163.9             |
| 11/4/2006 9:00  | 138.4  | 48.2              |
| 11/4/2006 10:00 | 63.0   | 26.9              |
| 11/4/2006 11:00 | 51.9   | 23.3              |
| 11/4/2006 12:00 | 26.4   | 12.0              |
| 11/4/2006 13:00 | 25.7   | 13.3              |
| 11/4/2006 14:00 | 20.7   | 8.1               |
| 11/4/2006 15:00 | 18.7   | 8.2               |
| 11/4/2006 16:00 | 21.7   | 10.8              |
| 11/4/2006 17:00 | 27.7   | 13.4              |
| 11/4/2006 18:00 | 36.5   | 13.4              |
| 11/4/2006 19:00 | 46.7   | 12.9              |
| 11/4/2006 20:00 | 34.8   | 13.1              |
| 11/4/2006 21:00 | 27.2   | 9.3               |
| 11/4/2006 22:00 | 21.6   | 9.2               |
| 11/4/2006 23:00 | 27.4   | 9.7               |
| 11/5/2006 0:00  | 24.2   | 8.4               |
| 11/5/2006 1:00  | 21.2   | 8.4               |
| 11/5/2006 2:00  | 26.9   | 8.7               |
| 11/5/2006 3:00  | 19.8   | 8.3               |
| 11/5/2006 4:00  | 17.7   | 6.7               |
| 11/5/2006 5:00  | 12.4   | 5.7               |
| 11/5/2006 6:00  | 15.8   | 10.8              |
| 11/5/2006 7:00  | 16.9   | 10.4              |
| 11/5/2006 8:00  | 18.2   | 12.5              |
| 11/5/2006 9:00  | 27.9   | 12.2              |
| 11/5/2006 10:00 | 24.7   | 11.5              |
| 11/5/2006 11:00 | 24.3   | 12.4              |
| 11/5/2006 12:00 | 29.9   | 15.2              |
| 11/5/2006 13:00 | 23.5   | 14.8              |
| 11/5/2006 14:00 | 27.8   | 15.8              |
| 11/5/2006 15:00 | 34.1   | 22.6              |
| 11/5/2006 16:00 | 34.8   | 13.5              |
| 11/5/2006 17:00 | 38.9   | 12.8              |
| 11/5/2006 18:00 | 42.3   | 12.9              |
| 11/5/2006 19:00 | 49.4   | 14.2              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/5/2006 20:00 | 56.0   | 13.1              |
| 11/5/2006 21:00 | 57.7   | 12.7              |
| 11/5/2006 22:00 | 62.4   | 12.3              |
| 11/5/2006 23:00 | 64.1   | 12.5              |
| 11/6/2006 0:00  | 28.5   | 12.6              |
| 11/6/2006 1:00  | 43.0   | 27.5              |
| 11/6/2006 2:00  | 148.3  | 25.1              |
| 11/6/2006 3:00  | 39.1   | 17.0              |
| 11/6/2006 4:00  | 61.8   | 20.8              |
| 11/6/2006 5:00  | 33.9   | 86.2              |
| 11/6/2006 6:00  | 49.2   | 85.6              |
| 11/6/2006 7:00  | 50.1   | 18.2              |
| 11/6/2006 8:00  | 35.3   | 16.4              |
| 11/6/2006 9:00  | 98.5   | 22.4              |
| 11/6/2006 10:00 | 81.2   | 18.1              |
| 11/6/2006 11:00 | 58.1   | 16.2              |
| 11/6/2006 12:00 | 35.7   | 14.4              |
| 11/6/2006 13:00 | 32.2   | 9.8               |
| 11/6/2006 14:00 | 27.9   | 10.0              |
| 11/6/2006 15:00 | 35.3   | 13.1              |
| 11/6/2006 16:00 | 35.7   | 11.2              |
| 11/6/2006 17:00 | 40.0   | 11.8              |
| 11/6/2006 18:00 | 25.2   | 11.2              |
| 11/6/2006 19:00 | 27.2   | 15.5              |
| 11/6/2006 20:00 | 27.3   | 12.5              |
| 11/6/2006 21:00 | 41.6   | 11.3              |
| 11/6/2006 22:00 | 75.2   | 13.1              |
| 11/6/2006 23:00 | 78.5   | 11.8              |
| 11/7/2006 0:00  | 83.6   | 13.4              |
| 11/7/2006 1:00  | 49.5   | 16.1              |
| 11/7/2006 2:00  | 42.3   | 10.4              |
| 11/7/2006 3:00  | 32.8   | 10.3              |
| 11/7/2006 4:00  | 56.9   | 7.8               |
| 11/7/2006 5:00  | 33.2   | 4.3               |
| 11/7/2006 6:00  | 20.4   | 6.7               |
| 11/7/2006 7:00  | 48.4   | 9.5               |
| 11/7/2006 8:00  | 60.7   | 11.7              |
| 11/7/2006 9:00  | 51.6   | 11.9              |
| 11/7/2006 10:00 | 38.6   | 12.3              |
| 11/7/2006 11:00 | 20.9   | 10.4              |
| 11/7/2006 12:00 | 26.9   | 8.4               |
| 11/7/2006 13:00 | 29.7   | 8.7               |
| 11/7/2006 14:00 | 55.6   | 9.1               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/7/2006 15:00 | 51.0   | 10.3              |
| 11/7/2006 16:00 | 40.9   | 9.9               |
| 11/7/2006 17:00 | 22.3   | 12.0              |
| 11/7/2006 18:00 | 26.1   | 14.6              |
| 11/7/2006 19:00 | 25.3   | 13.7              |
| 11/7/2006 20:00 | 23.8   | 13.5              |
| 11/7/2006 21:00 | 23.8   | 12.4              |
| 11/7/2006 22:00 | 26.6   | 13.4              |
| 11/7/2006 23:00 | 24.3   | 10.8              |
| 11/8/2006 0:00  | 44.4   | 8.7               |
| 11/8/2006 1:00  | 44.1   | 7.6               |
| 11/8/2006 2:00  | 46.3   | 7.9               |
| 11/8/2006 3:00  | 36.4   | 8.2               |
| 11/8/2006 4:00  | 24.2   | 7.6               |
| 11/8/2006 5:00  | 41.0   | 10.7              |
| 11/8/2006 6:00  | 39.9   | 7.2               |
| 11/8/2006 7:00  | 23.8   | 10.7              |
| 11/8/2006 8:00  | 43.0   | 15.3              |
| 11/8/2006 9:00  | 50.5   | 17.4              |
| 11/8/2006 10:00 | 72.7   | 19.2              |
| 11/8/2006 11:00 | 78.3   | 29.8              |
| 11/8/2006 12:00 | 70.2   | 35.3              |
| 11/8/2006 13:00 | 53.5   | 31.9              |
| 11/8/2006 14:00 | 57.8   | 19.0              |
| 11/8/2006 15:00 | 61.3   | 24.8              |
| 11/8/2006 16:00 | 43.5   | 16.2              |
| 11/8/2006 17:00 | 46.4   | 10.9              |
| 11/8/2006 18:00 | 38.1   | 10.0              |
| 11/8/2006 19:00 | 51.3   | 8.9               |
| 11/8/2006 20:00 | 38.5   | 7.2               |
| 11/8/2006 21:00 | 39.7   | 5.6               |
| 11/8/2006 22:00 | 39.8   | 5.1               |
| 11/8/2006 23:00 | 40.9   | 5.9               |
| 11/9/2006 0:00  | 30.9   | 7.7               |
| 11/9/2006 1:00  | 24.5   | 7.7               |
| 11/9/2006 2:00  | 24.0   | 7.8               |
| 11/9/2006 3:00  | 25.4   | 10.6              |
| 11/9/2006 4:00  | 27.0   | 9.7               |
| 11/9/2006 5:00  | 35.2   | 9.2               |
| 11/9/2006 6:00  | 48.2   | 9.0               |
| 11/9/2006 7:00  | 42.4   | 8.4               |
| 11/9/2006 8:00  | 39.0   | 9.0               |
| 11/9/2006 9:00  | 47.2   | 12.2              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/9/2006 10:00  | 44.7   | 15.6              |
| 11/9/2006 11:00  | 40.0   | 16.6              |
| 11/9/2006 12:00  | 35.7   | 12.7              |
| 11/9/2006 13:00  | 30.7   | 12.7              |
| 11/9/2006 14:00  | 33.7   | 11.9              |
| 11/9/2006 15:00  | 34.1   | 12.0              |
| 11/9/2006 16:00  | 32.7   | 11.1              |
| 11/9/2006 17:00  | 38.6   | 12.5              |
| 11/9/2006 18:00  | 43.6   | 21.6              |
| 11/9/2006 19:00  | 63.5   | 69.0              |
| 11/9/2006 20:00  | 121.3  | 138.4             |
| 11/9/2006 21:00  | 159.6  | 117.7             |
| 11/9/2006 22:00  | 83.0   | 112.8             |
| 11/9/2006 23:00  | 10.6   | 36.0              |
| 11/10/2006 0:00  | 10.3   | 29.1              |
| 11/10/2006 1:00  | 16.3   | 40.5              |
| 11/10/2006 2:00  | 14.3   | 39.0              |
| 11/10/2006 3:00  | 14.5   | 42.2              |
| 11/10/2006 4:00  | 14.0   | 39.4              |
| 11/10/2006 5:00  | 10.5   | 24.2              |
| 11/10/2006 6:00  | 10.9   | 33.4              |
| 11/10/2006 7:00  | 15.9   | 50.6              |
| 11/10/2006 8:00  | 17.2   | 68.7              |
| 11/10/2006 9:00  | 28.6   | 73.2              |
| 11/10/2006 10:00 | 29.5   | 68.2              |
| 11/10/2006 11:00 | 6.2  | 28.9              |
| 11/10/2006 12:00 | 4.6  | 30.7              |
| 11/10/2006 13:00 | 3.8  | 30.5              |
| 11/10/2006 14:00 | 6.1  | 37.0              |
| 11/10/2006 15:00 | 6.6  | 42.4              |
| 11/10/2006 16:00 | 7.1  | 45.8              |
| 11/10/2006 17:00 | 6.6  | 46.3              |
| 11/10/2006 18:00 | 8.3  | 35.0              |
| 11/10/2006 19:00 | 7.0  | 38.1              |
| 11/10/2006 20:00 | 6.2  | 24.7              |
| 11/10/2006 21:00 | 4.5  | 26.4              |
| 11/10/2006 22:00 | 4.2  | 19.9              |
| 11/10/2006 23:00 | 6.9  | 25.6              |
| 11/11/2006 0:00  | 6.7  | 28.8              |
| 11/11/2006 1:00  | 9.8  | 18.9              |
| 11/11/2006 2:00  | 16.4   | 15.2              |
| 11/11/2006 3:00  | 12.3   | 16.8              |
| 11/11/2006 4:00  | 10.2   | 14.3              |



# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/11/2006 5:00  | 12.5   | 13.6              |
| 11/11/2006 6:00  | 10.8   | 16.3              |
| 11/11/2006 7:00  | 9.2  | 13.9              |
| 11/11/2006 8:00  | 9.1  | 13.7              |
| 11/11/2006 9:00  | 9.1  | 12.7              |
| 11/11/2006 10:00 | 14.4   | 16.2              |
| 11/11/2006 11:00 | 20.1   | 23.4              |
| 11/11/2006 12:00 | 11.2   | 19.3              |
| 11/11/2006 13:00 | 8.7  | 23.5              |
| 11/11/2006 14:00 | 8.0  | 21.7              |
| 11/11/2006 15:00 | 8.6  | 20.5              |
| 11/11/2006 16:00 | 8.5  | 19.7              |
| 11/11/2006 17:00 | 9.8  | 20.2              |
| 11/11/2006 18:00 | 9.6  | 18.2              |
| 11/11/2006 19:00 | 7.6  | 16.9              |
| 11/11/2006 20:00 | 7.9  | 13.9              |
| 11/11/2006 21:00 | 10.8   | 17.0              |
| 11/11/2006 22:00 | 7.5  | 14.3              |
| 11/11/2006 23:00 | 7.9  | 14.0              |
| 11/12/2006 0:00  | 6.5  | 11.9              |
| 11/12/2006 1:00  | 7.3  | 12.2              |
| 11/12/2006 2:00  | 8.0  | 9.7               |
| 11/12/2006 3:00  | 5.7  | 10.5              |
| 11/12/2006 4:00  | 5.9  | 8.5               |
| 11/12/2006 5:00  | 8.7  | 6.8               |
| 11/12/2006 6:00  | 5.9  | 6.3               |
| 11/12/2006 7:00  | 10.6   | 9.7               |
| 11/12/2006 8:00  | 7.8  | 12.4              |
| 11/12/2006 9:00  | 7.6  | 14.0              |
| 11/12/2006 10:00 | 12.8   | 21.5              |
| 11/12/2006 11:00 | 13.2   | 23.5              |
| 11/12/2006 12:00 | 15.0   | 23.9              |
| 11/12/2006 13:00 | 8.1  | 31.5              |
| 11/12/2006 14:00 | 6.9  | 25.5              |
| 11/12/2006 15:00 | 9.2  | 20.4              |
| 11/12/2006 16:00 | 8.6  | 24.1              |
| 11/12/2006 17:00 | 6.7  | 22.9              |
| 11/12/2006 18:00 | 6.9  | 26.6              |
| 11/12/2006 19:00 | 4.9  | 40.4              |
| 11/12/2006 20:00 | 8.8  | 44.8              |
| 11/12/2006 21:00 | 5.1  | 27.2              |
| 11/12/2006 22:00 | 5.2  | 5.2               |
| 11/12/2006 23:00 | 9.4  | 9.3               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/13/2006 0:00  | 6.8  | 13.9              |
| 11/13/2006 1:00  | 3.6  | 3.0               |
| 11/13/2006 2:00  | 6.1  | 5.2               |
| 11/13/2006 3:00  | 4.5  | 3.7               |
| 11/13/2006 4:00  | 7.9  | 0.7               |
| 11/13/2006 5:00  | 9.1  | 0.4               |
| 11/13/2006 6:00  | 7.0  | 0.9               |
| 11/13/2006 7:00  | 7.8  | 1.3               |
| 11/13/2006 8:00  | 30.7   | 1.4               |
| 11/13/2006 9:00  | 31.3   | 3.1               |
| 11/13/2006 10:00 | 39.2   | 4.8               |
| 11/13/2006 11:00 | 26.8   | 2.2               |
| 11/13/2006 12:00 | 24.3   | 2.4               |
| 11/13/2006 13:00 | 25.2   | 3.2               |
| 11/13/2006 14:00 | 30.2   | 3.8               |
| 11/13/2006 15:00 | 36.0   | 5.7               |
| 11/13/2006 16:00 | 30.3   | 3.0               |
| 11/13/2006 17:00 | 38.4   | 4.1               |
| 11/13/2006 18:00 | 42.5   | 5.7               |
| 11/13/2006 19:00 | 58.9   | 24.3              |
| 11/13/2006 20:00 | 63.8   | 19.1              |
| 11/13/2006 21:00 | 57.1   | 19.7              |
| 11/13/2006 22:00 | 70.1   | 18.7              |
| 11/13/2006 23:00 | 79.2   | 22.1              |
| 11/14/2006 0:00  | 75.3   | 19.0              |
| 11/14/2006 1:00  | 108.9  | 122.1             |
| 11/14/2006 2:00  | 123.6  | 162.7             |
| 11/14/2006 3:00  | 169.9  | 151.3             |
| 11/14/2006 4:00  | 204.7  | 149.3             |
| 11/14/2006 5:00  | 221.3  | 152.4             |
| 11/14/2006 6:00  | 136.2  | 42.1              |
| 11/14/2006 7:00  | 86.7   | 70.5              |
| 11/14/2006 8:00  | 106.4  | 100.7             |
| 11/14/2006 9:00  | 135.0  | 101.7             |
| 11/14/2006 10:00 | 164.1  | 117.6             |
| 11/14/2006 11:00 | 95.6   | 117.9             |
| 11/14/2006 12:00 | 33.7   | 69.1              |
| 11/14/2006 13:00 | 29.2   | 54.4              |
| 11/14/2006 14:00 | 27.8   | 45.8              |
| 11/14/2006 15:00 | 39.8   | 22.1              |
| 11/14/2006 16:00 | 50.5   | 15.3              |
| 11/14/2006 17:00 | 108.1  | 11.0              |
| 11/14/2006 18:00 | 43.8   | 134.7             |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/14/2006 19:00 | 69.0   | 14.5              |
| 11/14/2006 20:00 | 57.0   | 22.6              |
| 11/14/2006 21:00 | 73.5   | 28.1              |
| 11/14/2006 22:00 | 51.7   | 91.2              |
| 11/14/2006 23:00 | 93.0   | 57.4              |
| 11/15/2006 0:00  | 84.7   | 19.8              |
| 11/15/2006 1:00  | 104.8  | 19.9              |
| 11/15/2006 2:00  | 78.7   | 102.5             |
| 11/15/2006 3:00  | 68.5   | 216.9             |
| 11/15/2006 4:00  | 47.6   | 172.5             |
| 11/15/2006 5:00  | 62.7   | 134.6             |
| 11/15/2006 6:00  | 68.9   | 154.0             |
| 11/15/2006 7:00  | 64.2   | 136.9             |
| 11/15/2006 8:00  | 75.5   | 145.0             |
| 11/15/2006 9:00  | 73.5   | 144.0             |
| 11/15/2006 10:00 | 48.2   | 114.5             |
| 11/15/2006 11:00 | 30.7   | 77.9              |
| 11/15/2006 12:00 | 16.8   | 53.2              |
| 11/15/2006 13:00 | 10.4   | 51.0              |
| 11/15/2006 14:00 | 13.8   | 61.5              |
| 11/15/2006 15:00 | 14.6   | 53.2              |
| 11/15/2006 16:00 | 14.2   | 65.9              |
| 11/15/2006 17:00 | 14.0   | 60.2              |
| 11/15/2006 18:00 | 13.1   | 64.1              |
| 11/15/2006 19:00 | 11.5   | 58.5              |
| 11/15/2006 20:00 | 12.9   | 57.8              |
| 11/15/2006 21:00 | 10.6   | 38.0              |
| 11/15/2006 22:00 | 13.9   | 34.9              |
| 11/15/2006 23:00 | 14.3   | 38.9              |
| 11/16/2006 0:00  | 15.7   | 30.5              |
| 11/16/2006 1:00  | 13.4   | 23.4              |
| 11/16/2006 2:00  | 13.6   | 23.4              |
| 11/16/2006 3:00  | 12.4   | 20.3              |
| 11/16/2006 4:00  | 15.9   | 22.1              |
| 11/16/2006 5:00  | 19.9   | 27.1              |
| 11/16/2006 6:00  | 20.6   | 25.4              |
| 11/16/2006 7:00  | 17.5   | 26.8              |
| 11/16/2006 8:00  | 15.1   | 24.8              |
| 11/16/2006 9:00  | 17.0   | 31.1              |
| 11/16/2006 10:00 | 18.5   | 39.1              |
| 11/16/2006 11:00 | 18.3   | 42.3              |
| 11/16/2006 12:00 | 17.9   | 40.3              |
| 11/16/2006 13:00 | 15.9   | 47.0              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/16/2006 14:00 | 15.8   | 45.1              |
| 11/16/2006 15:00 | 12.7   | 44.0              |
| 11/16/2006 16:00 | 11.8   | 47.5              |
| 11/16/2006 17:00 | 13.9   | 43.5              |
| 11/16/2006 18:00 | 21.5   | 48.4              |
| 11/16/2006 19:00 | 16.2   | 44.3              |
| 11/16/2006 20:00 | 11.3   | 39.8              |
| 11/16/2006 21:00 | 20.4   | 49.6              |
| 11/16/2006 22:00 | 45.0   | 41.2              |
| 11/16/2006 23:00 | 41.3   | 37.7              |
| 11/17/2006 0:00  | 33.7   | 31.5              |
| 11/17/2006 1:00  | 27.4   | 26.8              |
| 11/17/2006 2:00  | 22.1   | 21.6              |
| 11/17/2006 3:00  | 20.4   | 23.5              |
| 11/17/2006 4:00  | 25.1   | 21.8              |
| 11/17/2006 5:00  | 25.4   | 18.5              |
| 11/17/2006 6:00  | 29.8   | 20.3              |
| 11/17/2006 7:00  | 21.0   | 5.6               |
| 11/17/2006 8:00  | 33.2   | 6.9               |
| 11/17/2006 9:00  | 36.6   | 8.6               |
| 11/17/2006 10:00 | 38.6   | 10.4              |
| 11/17/2006 11:00 | 30.3   | 6.6               |
| 11/17/2006 12:00 | 40.8   | 18.3              |
| 11/17/2006 13:00 | 38.6   | 9.7               |
| 11/17/2006 14:00 | 30.9   | 6.6               |
| 11/17/2006 15:00 | 33.2   | 5.9               |
| 11/17/2006 16:00 | 27.7   | 5.3               |
| 11/17/2006 17:00 | 29.2   | 5.6               |
| 11/17/2006 18:00 | 33.1   | 6.1               |
| 11/17/2006 19:00 | 36.6   | 6.5               |
| 11/17/2006 20:00 | 43.9   | 8.9               |
| 11/17/2006 21:00 | 53.2   | 7.2               |
| 11/17/2006 22:00 | 56.5   | 49.1              |
| 11/17/2006 23:00 | 30.2   | 26.6              |
| 11/18/2006 0:00  | 54.6   | 12.3              |
| 11/18/2006 1:00  | 25.3   | 15.1              |
| 11/18/2006 2:00  | 35.8   | 13.3              |
| 11/18/2006 3:00  | 41.0   | 12.5              |
| 11/18/2006 4:00  | 35.6   | 14.9              |
| 11/18/2006 5:00  | 30.8   | 17.8              |
| 11/18/2006 6:00  | 28.9   | 15.0              |
| 11/18/2006 7:00  | 50.1   | 17.0              |
| 11/18/2006 8:00  | 44.3   | 18.0              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/18/2006 9:00  | 39.1   | 41.4              |
| 11/18/2006 10:00 | 51.8   | 85.8              |
| 11/18/2006 11:00 | 26.9   | 44.8              |
| 11/18/2006 12:00 | 14.2   | 33.6              |
| 11/18/2006 13:00 | 10.4   | 27.8              |
| 11/18/2006 14:00 | 7.8  | 28.1              |
| 11/18/2006 15:00 | 10.0   | 29.8              |
| 11/18/2006 16:00 | 14.3   | 38.9              |
| 11/18/2006 17:00 | 19.1   | 42.1              |
| 11/18/2006 18:00 | 15.8   | 35.7              |
| 11/18/2006 19:00 | 11.0   | 49.9              |
| 11/18/2006 20:00 | 13.5   | 42.0              |
| 11/18/2006 21:00 | 11.6   | 31.2              |
| 11/18/2006 22:00 | 11.9   | 23.8              |
| 11/18/2006 23:00 | 14.1   | 24.6              |
| 11/19/2006 0:00  | 18.9   | 24.7              |
| 11/19/2006 1:00  | 49.6   | 49.0              |
| 11/19/2006 2:00  | 22.4   | 37.4              |
| 11/19/2006 3:00  | 19.7   | 25.0              |
| 11/19/2006 4:00  | 16.8   | 26.2              |
| 11/19/2006 5:00  | 15.3   | 16.7              |
| 11/19/2006 6:00  | 18.0   | 20.5              |
| 11/19/2006 7:00  | 11.0   | 12.5              |
| 11/19/2006 8:00  | 7.8  | 9.0               |
| 11/19/2006 9:00  | 8.1  | 9.3               |
| 11/19/2006 10:00 | 10.7   | 15.0              |
| 11/19/2006 11:00 | 8.0  | 14.5              |
| 11/19/2006 12:00 | 9.4  | 17.1              |
| 11/19/2006 13:00 | 11.1   | 20.1              |
| 11/19/2006 14:00 | 17.7   | 22.9              |
| 11/19/2006 15:00 | 13.0   | 22.4              |
| 11/19/2006 16:00 | 13.5   | 23.0              |
| 11/19/2006 17:00 | 10.3   | 32.4              |
| 11/19/2006 18:00 | 16.0   | 28.1              |
| 11/19/2006 19:00 | 14.2   | 33.7              |
| 11/19/2006 20:00 | 12.7   | 28.6              |
| 11/19/2006 21:00 | 8.0  | 20.4              |
| 11/19/2006 22:00 | 15.9   | 20.0              |
| 11/19/2006 23:00 | 12.7   | 25.3              |
| 11/20/2006 0:00  | 10.2   | 16.4              |
| 11/20/2006 1:00  | 25.0   | 21.7              |
| 11/20/2006 2:00  | 24.1   | 22.5              |
| 11/20/2006 3:00  | 31.1   | 28.4              |

## Appendix A1

### Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/20/2006 4:00  | 29.2   | 25.6              |
| 11/20/2006 5:00  | 24.3   | 20.6              |
| 11/20/2006 6:00  | 25.3   | 25.7              |
| 11/20/2006 7:00  | 13.3   | 20.7              |
| 11/20/2006 8:00  | 17.3   | 34.7              |
| 11/20/2006 9:00  | 29.9   | 54.8              |
| 11/20/2006 10:00 | 37.7   | 77.7              |
| 11/20/2006 11:00 | 34.7   | 64.5              |
| 11/20/2006 12:00 | 20.4   | 49.9              |
| 11/20/2006 13:00 | 29.7   | 43.6              |
| 11/20/2006 14:00 | 15.2   | 40.1              |
| 11/20/2006 15:00 | 16.7   | 43.1              |
| 11/20/2006 16:00 | 14.4   | 38.7              |
| 11/20/2006 17:00 | 13.1   | 53.2              |
| 11/20/2006 18:00 | 9.1  | 72.4              |
| 11/20/2006 19:00 | 9.9  | 60.0              |
| 11/20/2006 20:00 | 33.3   | 10.9              |
| 11/20/2006 21:00 | 44.3   | 6.6               |
| 11/20/2006 22:00 | 50.9   | 5.4               |
| 11/20/2006 23:00 | 51.0   | 4.6               |
| 11/21/2006 0:00  | 32.4   | 4.6               |
| 11/21/2006 1:00  | 56.4   | 8.6               |
| 11/21/2006 2:00  | 47.8   | 16.9              |
| 11/21/2006 3:00  | 53.3   | 4.5               |
| 11/21/2006 4:00  | 53.4   | 14.3              |
| 11/21/2006 5:00  | 61.7   | 24.4              |
| 11/21/2006 6:00  | 73.9   | 24.3              |
| 11/21/2006 7:00  | 82.1   | 31.0              |
| 11/21/2006 8:00  | 103.1  | 26.1              |
| 11/21/2006 9:00  | 87.1   | 36.8              |
| 11/21/2006 10:00 | 120.1  | 40.3              |
| 11/21/2006 11:00 | 52.7   | 15.7              |
| 11/21/2006 12:00 | 47.9   | 18.5              |
| 11/21/2006 13:00 | 61.7   | 24.3              |
| 11/21/2006 14:00 | 38.6   | 13.1              |
| 11/21/2006 15:00 | 32.0   | 6.4               |
| 11/21/2006 16:00 | 32.7   | 6.9               |
| 11/21/2006 17:00 | 41.3   | 9.3               |
| 11/21/2006 18:00 | 59.0   | 12.7              |
| 11/21/2006 19:00 | 85.0   | 12.2              |
| 11/21/2006 20:00 | 63.7   | 14.1              |
| 11/21/2006 21:00 | 52.3   | 10.6              |
| 11/21/2006 22:00 | 73.7   | 10.7              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/21/2006 23:00 | 80.3   | 8.1               |
| 11/22/2006 0:00  | 28.7   | 62.5              |
| 11/22/2006 1:00  | 45.1   | 186.7             |
| 11/22/2006 2:00  | 37.7   | 175.5             |
| 11/22/2006 3:00  | 94.5   | 127.4             |
| 11/22/2006 4:00  | 69.4   | 147.8             |
| 11/22/2006 5:00  | 82.0   | 174.4             |
| 11/22/2006 6:00  | 107.2  | 226.2             |
| 11/22/2006 7:00  | 122.9  | 211.9             |
| 11/22/2006 8:00  | 153.6  | 227.6             |
| 11/22/2006 9:00  | 175.3  | 310.8             |
| 11/22/2006 10:00 | 223.9  | 236.0             |
| 11/22/2006 11:00 | 153.2  | 167.9             |
| 11/22/2006 12:00 | 62.3   | 105.1             |
| 11/22/2006 13:00 | 34.3   | 55.7              |
| 11/22/2006 14:00 | 28.2   | 40.4              |
| 11/22/2006 15:00 | 14.8   | 24.3              |
| 11/22/2006 16:00 | 14.2   | 19.0              |
| 11/22/2006 17:00 | 13.7   | 39.5              |
| 11/22/2006 18:00 | 12.2   | 81.2              |
| 11/22/2006 19:00 | 21.4   | 124.4             |
| 11/22/2006 20:00 | 28.4   | 139.0             |
| 11/22/2006 21:00 | 49.7   | 181.4             |
| 11/22/2006 22:00 | 84.5   | 227.5             |
| 11/22/2006 23:00 | 156.4  | 288.4             |
| 11/23/2006 0:00  | 73.4   | 344.6             |
| 11/23/2006 1:00  | 164.8  | 229.4             |
| 11/23/2006 2:00  | 200.4  | 217.7             |
| 11/23/2006 3:00  | 183.1  | 238.1             |
| 11/23/2006 4:00  | 231.6  | 221.0             |
| 11/23/2006 5:00  | 264.9  | 213.2             |
| 11/23/2006 6:00  | 230.0  | 194.1             |
| 11/23/2006 7:00  | 244.6  | 199.0             |
| 11/23/2006 8:00  | 254.8  | 248.2             |
| 11/23/2006 9:00  | 228.3  | 233.0             |
| 11/23/2006 10:00 | 233.6  | 172.8             |
| 11/23/2006 11:00 | 82.5   | 106.7             |
| 11/23/2006 12:00 | 65.2   | 63.6              |
| 11/23/2006 13:00 | 57.6   | 67.5              |
| 11/23/2006 14:00 | 73.3   | 60.6              |
| 11/23/2006 15:00 | 66.5   | 43.9              |
| 11/23/2006 16:00 | 52.2   | 42.6              |
| 11/23/2006 17:00 | 75.9   | 40.3              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/23/2006 18:00 | 121.2  | 38.9              |
| 11/23/2006 19:00 | 159.1  | 70.1              |
| 11/23/2006 20:00 | 148.6  | 56.9              |
| 11/23/2006 21:00 | 94.2   | 50.4              |
| 11/23/2006 22:00 | 76.1   | 46.5              |
| 11/23/2006 23:00 | 74.0   | 46.0              |
| 11/24/2006 0:00  | 74.1   | 46.3              |
| 11/24/2006 1:00  | 86.1   | 45.4              |
| 11/24/2006 2:00  | 85.8   | 45.0              |
| 11/24/2006 3:00  | 87.8   | 75.0              |
| 11/24/2006 4:00  | 116.3  | 74.2              |
| 11/24/2006 5:00  | 118.1  | 66.6              |
| 11/24/2006 6:00  | 67.6   | 34.8              |
| 11/24/2006 7:00  | 62.1   | 36.5              |
| 11/24/2006 8:00  | 85.1   | 44.2              |
| 11/24/2006 9:00  | 66.8   | 40.5              |
| 11/24/2006 10:00 | 54.5   | 21.5              |
| 11/24/2006 11:00 | 37.3   | 10.2              |
| 11/24/2006 12:00 | 24.1   | 9.3               |
| 11/24/2006 13:00 | 26.0   | 9.6               |
| 11/24/2006 14:00 | 20.0   | 9.7               |
| 11/24/2006 15:00 | 27.2   | 11.4              |
| 11/24/2006 16:00 | 35.9   | 14.6              |
| 11/24/2006 17:00 | 49.3   | 16.6              |
| 11/24/2006 18:00 | 39.7   | 23.0              |
| 11/24/2006 19:00 | 38.0   | 56.6              |
| 11/24/2006 20:00 | 40.1   | 49.4              |
| 11/24/2006 21:00 | 42.9   | 34.9              |
| 11/24/2006 22:00 | 41.3   | 21.3              |
| 11/24/2006 23:00 | 51.8   | 97.7              |
| 11/25/2006 0:00  | 75.5   | 124.4             |
| 11/25/2006 1:00  | 124.5  | 38.1              |
| 11/25/2006 2:00  | 126.2  | 22.6              |
| 11/25/2006 3:00  | 145.1  | 78.8              |
| 11/25/2006 4:00  | 73.0   | 102.9             |
| 11/25/2006 5:00  | 136.1  | 116.6             |
| 11/25/2006 6:00  | 179.4  | 92.2              |
| 11/25/2006 7:00  | 111.0  | 18.7              |
| 11/25/2006 8:00  | 82.1   | 37.9              |
| 11/25/2006 9:00  | 63.8   | 51.9              |
| 11/25/2006 10:00 | 39.4   | 29.3              |
| 11/25/2006 11:00 | 33.1   | 19.8              |
| 11/25/2006 12:00 | 34.7   | 23.4              |



# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/25/2006 13:00 | 37.0   | 26.3              |
| 11/25/2006 14:00 | 35.2   | 24.0              |
| 11/25/2006 15:00 | 31.3   | 22.6              |
| 11/25/2006 16:00 | 32.7   | 18.5              |
| 11/25/2006 17:00 | 51.0   | 22.5              |
| 11/25/2006 18:00 | 61.8   | 23.2              |
| 11/25/2006 19:00 | 60.8   | 19.2              |
| 11/25/2006 20:00 | 51.3   | 16.2              |
| 11/25/2006 21:00 | 24.2   | 14.5              |
| 11/25/2006 22:00 | 26.8   | 15.5              |
| 11/25/2006 23:00 | 25.2   | 16.6              |
| 11/26/2006 0:00  | 28.1   | 16.2              |
| 11/26/2006 1:00  | 30.6   | 16.0              |
| 11/26/2006 2:00  | 30.0   | 16.0              |
| 11/26/2006 3:00  | 28.8   | 14.8              |
| 11/26/2006 4:00  | 25.6   | 15.6              |
| 11/26/2006 5:00  | 26.9   | 15.5              |
| 11/26/2006 6:00  | 33.2   | 13.1              |
| 11/26/2006 7:00  | 36.5   | 12.5              |
| 11/26/2006 8:00  | 50.7   | 13.1              |
| 11/26/2006 9:00  | 49.1   | 17.2              |
| 11/26/2006 10:00 | 27.2   | 13.7              |
| 11/26/2006 11:00 | 21.8   | 13.5              |
| 11/26/2006 12:00 | 27.8   | 14.7              |
| 11/26/2006 13:00 | 27.6   | 14.4              |
| 11/26/2006 14:00 | 27.7   | 11.9              |
| 11/26/2006 15:00 | 28.2   | 12.4              |
| 11/26/2006 16:00 | 38.6   | 11.5              |
| 11/26/2006 17:00 | 54.8   | 13.2              |
| 11/26/2006 18:00 | 67.9   | 13.0              |
| 11/26/2006 19:00 | 56.4   | 13.5              |
| 11/26/2006 20:00 | 54.1   | 20.2              |
| 11/26/2006 21:00 | 83.4   | 19.5              |
| 11/26/2006 22:00 | 98.7   | 17.6              |
| 11/26/2006 23:00 | 85.0   | 14.2              |
| 11/27/2006 0:00  | 75.7   | 13.9              |
| 11/27/2006 1:00  | 34.8   | 13.7              |
| 11/27/2006 2:00  | 43.7   | 12.8              |
| 11/27/2006 3:00  | 35.8   | 10.5              |
| 11/27/2006 4:00  | 42.3   | 12.7              |
| 11/27/2006 5:00  | 61.1   | 14.3              |
| 11/27/2006 6:00  | 71.3   | 12.9              |
| 11/27/2006 7:00  | 84.9   | 13.7              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/27/2006 8:00  | 86.1   | 28.5              |
| 11/27/2006 9:00  | 81.1   | 22.5              |
| 11/27/2006 10:00 | 62.1   | 21.7              |
| 11/27/2006 11:00 | 43.4   | 16.1              |
| 11/27/2006 12:00 | 49.9   | 23.1              |
| 11/27/2006 13:00 | 47.6   | 25.4              |
| 11/27/2006 14:00 | 39.8   | 18.9              |
| 11/27/2006 15:00 | 39.4   | 17.5              |
| 11/27/2006 16:00 | 45.9   | 18.9              |
| 11/27/2006 17:00 | 65.8   | 19.9              |
| 11/27/2006 18:00 | 83.0   | 38.3              |
| 11/27/2006 19:00 | 98.4   | 19.7              |
| 11/27/2006 20:00 | 74.0   | 18.6              |
| 11/27/2006 21:00 | 91.2   | 17.5              |
| 11/27/2006 22:00 | 111.8  | 15.1              |
| 11/27/2006 23:00 | 63.1   | 11.8              |
| 11/28/2006 0:00  | 58.6   | 12.9              |
| 11/28/2006 1:00  | 50.7   | 12.9              |
| 11/28/2006 2:00  | 42.5   | 15.1              |
| 11/28/2006 3:00  | 45.3   | 14.5              |
| 11/28/2006 4:00  | 46.2   | 14.4              |
| 11/28/2006 5:00  | 46.5   | 16.3              |
| 11/28/2006 6:00  | 60.3   | 18.1              |
| 11/28/2006 7:00  | 74.0   | 15.1              |
| 11/28/2006 8:00  | 67.5   | 20.1              |
| 11/28/2006 9:00  | 73.6   | 23.9              |
| 11/28/2006 10:00 | 77.0   | 27.8              |
| 11/28/2006 11:00 | 54.7   | 22.3              |
| 11/28/2006 12:00 | 35.7   | 13.9              |
| 11/28/2006 13:00 | 43.7   | 15.2              |
| 11/28/2006 14:00 | 43.0   | 17.8              |
| 11/28/2006 15:00 | 45.1   | 17.5              |
| 11/28/2006 16:00 | 59.0   | 18.4              |
| 11/28/2006 17:00 | 61.3   | 17.4              |
| 11/28/2006 18:00 | 67.6   | 17.0              |
| 11/28/2006 19:00 | 51.3   | 15.0              |
| 11/28/2006 20:00 | 41.7   | 11.0              |
| 11/28/2006 21:00 | 37.6   | 10.7              |
| 11/28/2006 22:00 | 38.0   | 10.0              |
| 11/28/2006 23:00 | 35.8   | 10.0              |
| 11/29/2006 0:00  | 31.2   | 13.5              |
| 11/29/2006 1:00  | 29.8   | 14.4              |
| 11/29/2006 2:00  | 29.2   | 12.2              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/29/2006 3:00  | 18.8   | 10.0              |
| 11/29/2006 4:00  | 17.0   | 8.5               |
| 11/29/2006 5:00  | 20.1   | 7.3               |
| 11/29/2006 6:00  | 22.2   | 6.9               |
| 11/29/2006 7:00  | 28.6   | 6.4               |
| 11/29/2006 8:00  | 29.0   | 7.7               |
| 11/29/2006 9:00  | 35.7   | 9.2               |
| 11/29/2006 10:00 | 29.3   | 8.8               |
| 11/29/2006 11:00 | 32.6   | 7.9               |
| 11/29/2006 12:00 | 33.3   | 7.9               |
| 11/29/2006 13:00 | 30.6   | 7.4               |
| 11/29/2006 14:00 | 33.3   | 8.9               |
| 11/29/2006 15:00 | 34.1   | 8.3               |
| 11/29/2006 16:00 | 33.8   | 8.3               |
| 11/29/2006 17:00 | 40.5   | 9.3               |
| 11/29/2006 18:00 | 35.6   | 9.0               |
| 11/29/2006 19:00 | 26.7   | 8.8               |
| 11/29/2006 20:00 | 24.0   | 8.1               |
| 11/29/2006 21:00 | 27.6   | 7.5               |
| 11/29/2006 22:00 | 20.7   | 7.0               |
| 11/29/2006 23:00 | 23.8   | 7.5               |
| 11/30/2006 0:00  | 21.5   | 8.0               |
| 11/30/2006 1:00  | 17.6   | 5.5               |
| 11/30/2006 2:00  | 12.3   | 4.7               |
| 11/30/2006 3:00  | 12.8   | 4.3               |
| 11/30/2006 4:00  | 13.4   | 5.4               |
| 11/30/2006 5:00  | 13.8   | 5.1               |
| 11/30/2006 6:00  | 24.1   | 5.2               |
| 11/30/2006 7:00  | 24.0   | 7.0               |
| 11/30/2006 8:00  | 22.3   | 5.3               |
| 11/30/2006 9:00  | 41.7   | 29.9              |
| 11/30/2006 10:00 | 22.5   | 49.0              |
| 11/30/2006 11:00 | 17.6   | 41.2              |
| 11/30/2006 12:00 | 10.7   | 40.9              |
| 11/30/2006 13:00 | 10.7   | 41.7              |
| 11/30/2006 14:00 | 12.9   | 48.0              |
| 11/30/2006 15:00 | 13.0   | 50.9              |
| 11/30/2006 16:00 | 15.0   | 51.0              |
| 11/30/2006 17:00 | 16.5   | 54.8              |
| 11/30/2006 18:00 | 11.9   | 40.2              |
| 11/30/2006 19:00 | 10.5   | 43.5              |
| 11/30/2006 20:00 | 9.2  | 33.7              |
| 11/30/2006 21:00 | 9.0  | 36.6              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 11/30/2006 22:00 | 6.9  | 26.4              |
| 11/30/2006 23:00 | 6.8  | 25.3              |
| 12/1/2006 0:00   | 4.6  | 23.1              |
| 12/1/2006 1:00   | 6.9  | 21.7              |
| 12/1/2006 2:00   | 6.2  | 14.6              |
| 12/1/2006 3:00   | 5.7  | 9.9               |
| 12/1/2006 4:00   | 5.1  | 12.6              |
| 12/1/2006 5:00   | 5.8  | 12.5              |
| 12/1/2006 6:00   | 2.2  | 12.6              |
| 12/1/2006 7:00   | 3.7  | 13.6              |
| 12/1/2006 8:00   | 4.7  | 17.6              |
| 12/1/2006 9:00   | 7.2  | 29.4              |
| 12/1/2006 10:00  | 6.2  | 26.1              |
| 12/1/2006 11:00  | 9.2  | 44.7              |
| 12/1/2006 12:00  | 29.0   | 18.7              |
| 12/1/2006 13:00  | 20.2   | 9.1               |
| 12/1/2006 14:00  | 20.5   | 8.9               |
| 12/1/2006 15:00  | 16.6   | 8.6               |
| 12/1/2006 16:00  | 19.2   | 5.1               |
| 12/1/2006 17:00  | 19.4   | 6.8               |
| 12/1/2006 18:00  | 14.8   | 6.4               |
| 12/1/2006 19:00  | 13.3   | 5.9               |
| 12/1/2006 20:00  | 18.2   | 4.5               |
| 12/1/2006 21:00  | 14.0   | 3.7               |
| 12/1/2006 22:00  | 18.0   | 3.9               |
| 12/1/2006 23:00  | 14.7   | 4.2               |
| 12/2/2006 0:00   | 8.2  | 3.4               |
| 12/2/2006 1:00   | 9.5  | 2.3               |
| 12/2/2006 2:00   | 7.7  | 2.3               |
| 12/2/2006 3:00   | 7.1  | 2.2               |
| 12/2/2006 4:00   | 7.8  | 2.8               |
| 12/2/2006 5:00   | 6.4  | 2.1               |
| 12/2/2006 6:00   | 7.5  | 1.9               |
| 12/2/2006 7:00   | 8.1  | 2.6               |
| 12/2/2006 8:00   | 15.5   | 3.2               |
| 12/2/2006 9:00   | 18.6   | 5.0               |
| 12/2/2006 10:00  | 20.3   | 4.7               |
| 12/2/2006 11:00  | 17.7   | 4.9               |
| 12/2/2006 12:00  | 22.7   | 7.2               |
| 12/2/2006 13:00  | 22.0   | 8.9               |
| 12/2/2006 14:00  | 21.3   | 6.3               |
| 12/2/2006 15:00  | 21.1   | 7.1               |
| 12/2/2006 16:00  | 21.0   | 7.8               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/2/2006 17:00 | 24.7   | 8.3               |
| 12/2/2006 18:00 | 27.1   | 9.4               |
| 12/2/2006 19:00 | 28.5   | 13.1              |
| 12/2/2006 20:00 | 26.3   | 8.1               |
| 12/2/2006 21:00 | 21.7   | 7.3               |
| 12/2/2006 22:00 | 16.3   | 11.0              |
| 12/2/2006 23:00 | 15.2   | 10.1              |
| 12/3/2006 0:00  | 17.2   | 6.1               |
| 12/3/2006 1:00  | 18.1   | 9.1               |
| 12/3/2006 2:00  | 18.4   | 10.0              |
| 12/3/2006 3:00  | 13.4   | 9.4               |
| 12/3/2006 4:00  | 13.7   | 7.6               |
| 12/3/2006 5:00  | 11.4   | 8.6               |
| 12/3/2006 6:00  | 9.4  | 5.8               |
| 12/3/2006 7:00  | 9.1  | 3.4               |
| 12/3/2006 8:00  | 9.9  | 5.2               |
| 12/3/2006 9:00  | 15.0   | 4.5               |
| 12/3/2006 10:00 | 10.8   | 3.0               |
| 12/3/2006 11:00 | 13.0   | 2.8               |
| 12/3/2006 12:00 | 9.0  | 2.7               |
| 12/3/2006 13:00 | 12.6   | 3.1               |
| 12/3/2006 14:00 | 13.2   | 2.6               |
| 12/3/2006 15:00 | 14.4   | 2.6               |
| 12/3/2006 16:00 | 14.7   | 2.9               |
| 12/3/2006 17:00 | 17.4   | 3.5               |
| 12/3/2006 18:00 | 17.9   | 4.9               |
| 12/3/2006 19:00 | 24.0   | 5.8               |
| 12/3/2006 20:00 | 16.6   | 5.7               |
| 12/3/2006 21:00 | 18.3   | 4.9               |
| 12/3/2006 22:00 | 17.1   | 3.6               |
| 12/3/2006 23:00 | 17.9   | 4.4               |
| 12/4/2006 0:00  | 12.4   | 3.2               |
| 12/4/2006 1:00  | 12.0   | 4.8               |
| 12/4/2006 2:00  | 14.3   | 5.0               |
| 12/4/2006 3:00  | 12.5   | 4.8               |
| 12/4/2006 4:00  | 15.0   | 4.0               |
| 12/4/2006 5:00  | 12.9   | 3.7               |
| 12/4/2006 6:00  | 20.7   | 6.7               |
| 12/4/2006 7:00  | 19.6   | 6.6               |
| 12/4/2006 8:00  | 30.8   | 6.7               |
| 12/4/2006 9:00  | 26.4   | 6.5               |
| 12/4/2006 10:00 | 29.8   | 7.0               |
| 12/4/2006 11:00 | 28.8   | 8.1               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/4/2006 12:00 | 26.4   | 11.0              |
| 12/4/2006 13:00 | 37.8   | 9.5               |
| 12/4/2006 14:00 | 28.6   | 12.0              |
| 12/4/2006 15:00 | 27.5   | 8.8               |
| 12/4/2006 16:00 | 30.3   | 5.9               |
| 12/4/2006 17:00 | 30.7   | 8.3               |
| 12/4/2006 18:00 | 29.5   | 11.2              |
| 12/4/2006 19:00 | 34.3   | 13.0              |
| 12/4/2006 20:00 | 32.2   | 13.5              |
| 12/4/2006 21:00 | 34.6   | 8.4               |
| 12/4/2006 22:00 | 28.4   | 10.7              |
| 12/4/2006 23:00 | 34.8   | 10.3              |
| 12/5/2006 0:00  | 31.4   | 10.8              |
| 12/5/2006 1:00  | 22.9   | 8.2               |
| 12/5/2006 2:00  | 31.2   | 8.7               |
| 12/5/2006 3:00  | 34.6   | 10.6              |
| 12/5/2006 4:00  | 33.4   | 23.9              |
| 12/5/2006 5:00  | 27.0   | 27.0              |
| 12/5/2006 6:00  | 47.7   | 23.8              |
| 12/5/2006 7:00  | 62.0   | 21.6              |
| 12/5/2006 8:00  | 59.2   | 18.6              |
| 12/5/2006 9:00  | 76.8   | 24.0              |
| 12/5/2006 10:00 | 57.0   | 24.9              |
| 12/5/2006 11:00 | 44.3   | 15.1              |
| 12/5/2006 12:00 | 28.6   | 10.1              |
| 12/5/2006 13:00 | 35.7   | 8.5               |
| 12/5/2006 14:00 | 31.2   | 5.8               |
| 12/5/2006 15:00 | 39.2   | 5.4               |
| 12/5/2006 16:00 | 36.8   | 7.2               |
| 12/5/2006 17:00 | 58.4   | 9.5               |
| 12/5/2006 18:00 | 65.1   | 15.5              |
| 12/5/2006 19:00 | 42.4   | 10.2              |
| 12/5/2006 20:00 | 31.2   | 6.9               |
| 12/5/2006 21:00 | 30.7   | 6.4               |
| 12/5/2006 22:00 | 27.3   | 5.9               |
| 12/5/2006 23:00 | 29.1   | 9.9               |
| 12/6/2006 0:00  | 29.4   | 11.5              |
| 12/6/2006 1:00  | 30.0   | 15.2              |
| 12/6/2006 2:00  | 22.9   | 13.0              |
| 12/6/2006 3:00  | 26.5   | 14.5              |
| 12/6/2006 4:00  | 32.7   | 19.4              |
| 12/6/2006 5:00  | 31.8   | 19.4              |
| 12/6/2006 6:00  | 26.9   | 11.7              |

## Appendix A1

### Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/6/2006 7:00  | 30.7   | 10.4              |
| 12/6/2006 8:00  | 29.0   | 11.8              |
| 12/6/2006 9:00  | 42.1   | 14.7              |
| 12/6/2006 10:00 | 31.9   | 17.8              |
| 12/6/2006 11:00 | 31.1   | 14.1              |
| 12/6/2006 12:00 | 35.1   | 11.9              |
| 12/6/2006 13:00 | 34.0   | 11.8              |
| 12/6/2006 14:00 | 32.3   | 12.0              |
| 12/6/2006 15:00 | 34.5   | 11.9              |
| 12/6/2006 16:00 | 35.1   | 13.3              |
| 12/6/2006 17:00 | 44.5   | 13.1              |
| 12/6/2006 18:00 | 44.6   | 16.4              |
| 12/6/2006 19:00 | 48.9   | 20.2              |
| 12/6/2006 20:00 | 28.9   | 11.2              |
| 12/6/2006 21:00 | 31.1   | 15.8              |
| 12/6/2006 22:00 | 52.9   | 42.3              |
| 12/6/2006 23:00 | 41.2   | 26.8              |
| 12/7/2006 0:00  | 38.1   | 21.3              |
| 12/7/2006 1:00  | 22.4   | 11.1              |
| 12/7/2006 2:00  | 19.0   | 19.7              |
| 12/7/2006 3:00  | 21.0   | 22.5              |
| 12/7/2006 4:00  | 19.6   | 15.9              |
| 12/7/2006 5:00  | 16.1   | 14.8              |
| 12/7/2006 6:00  | 15.8   | 16.5              |
| 12/7/2006 7:00  | 26.6   | 19.3              |
| 12/7/2006 8:00  | 34.4   | 35.2              |
| 12/7/2006 9:00  | 36.0   | 32.2              |
| 12/7/2006 10:00 | 36.4   | 36.9              |
| 12/7/2006 11:00 | 36.8   | 34.3              |
| 12/7/2006 12:00 | 26.7   | 28.4              |
| 12/7/2006 13:00 | 26.8   | 27.0              |
| 12/7/2006 14:00 | 26.9   | 24.0              |
| 12/7/2006 15:00 | 26.2   | 21.5              |
| 12/7/2006 16:00 | 27.6   | 21.5              |
| 12/7/2006 17:00 | 37.5   | 14.9              |
| 12/7/2006 18:00 | 26.5   | 7.1               |
| 12/7/2006 19:00 | 33.9   | 22.2              |
| 12/7/2006 20:00 | 30.2   | 23.2              |
| 12/7/2006 21:00 | 27.5   | 24.1              |
| 12/7/2006 22:00 | 38.1   | 25.0              |
| 12/7/2006 23:00 | 42.2   | 21.1              |
| 12/8/2006 0:00  | 33.4   | 17.8              |
| 12/8/2006 1:00  | 29.4   | 12.1              |

## Appendix A1

### Record of NO<sub>x</sub> Measurements

| Date/Time       | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|-----------------|--|-------------------|
|                 | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/8/2006 2:00  | 28.6   | 8.5               |
| 12/8/2006 3:00  | 23.8   | 6.0               |
| 12/8/2006 4:00  | 18.8   | 5.1               |
| 12/8/2006 5:00  | 27.6   | 4.9               |
| 12/8/2006 6:00  | 32.7   | 5.0               |
| 12/8/2006 7:00  | 30.2   | 5.5               |
| 12/8/2006 8:00  | 30.1   | 5.5               |
| 12/8/2006 9:00  | 30.8   | 5.3               |
| 12/8/2006 10:00 | 28.0   | 7.5               |
| 12/8/2006 11:00 | 27.0   | 7.1               |
| 12/8/2006 12:00 | 32.7   | 8.1               |
| 12/8/2006 13:00 | 28.1   | 8.8               |
| 12/8/2006 14:00 | 26.1   | 6.8               |
| 12/8/2006 15:00 | 26.6   | 6.6               |
| 12/8/2006 16:00 | 28.3   | 7.7               |
| 12/8/2006 17:00 | 28.3   | 9.4               |
| 12/8/2006 18:00 | 27.8   | 7.6               |
| 12/8/2006 19:00 | 22.9   | 7.8               |
| 12/8/2006 20:00 | 22.0   | 6.8               |
| 12/8/2006 21:00 | 20.6   | 6.6               |
| 12/8/2006 22:00 | 20.2   | 7.4               |
| 12/8/2006 23:00 | 16.8   | 6.7               |
| 12/9/2006 0:00  | 16.9   | 6.1               |
| 12/9/2006 1:00  | 14.1   | 5.9               |
| 12/9/2006 2:00  | 14.4   | 6.3               |
| 12/9/2006 3:00  | 13.4   | 6.9               |
| 12/9/2006 4:00  | 12.8   | 6.1               |
| 12/9/2006 5:00  | 12.8   | 7.0               |
| 12/9/2006 6:00  | 12.5   | 6.0               |
| 12/9/2006 7:00  | 11.9   | 7.1               |
| 12/9/2006 8:00  | 17.2   | 15.4              |
| 12/9/2006 9:00  | 18.7   | 16.7              |
| 12/9/2006 10:00 | 24.3   | 12.5              |
| 12/9/2006 11:00 | 21.4   | 16.1              |
| 12/9/2006 12:00 | 21.9   | 12.0              |
| 12/9/2006 13:00 | 22.1   | 17.2              |
| 12/9/2006 14:00 | 26.4   | 14.0              |
| 12/9/2006 15:00 | 18.7   | 11.6              |
| 12/9/2006 16:00 | 18.8   | 8.9               |
| 12/9/2006 17:00 | 17.2   | 7.4               |
| 12/9/2006 18:00 | 17.4   | 10.3              |
| 12/9/2006 19:00 | 19.9   | 10.2              |
| 12/9/2006 20:00 | 21.4   | 8.0               |



# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/9/2006 21:00  | 22.8   | 8.1               |
| 12/9/2006 22:00  | 15.5   | 11.1              |
| 12/9/2006 23:00  | 12.6   | 9.0               |
| 12/10/2006 0:00  | 12.1   | 8.3               |
| 12/10/2006 1:00  | 12.4   | 8.2               |
| 12/10/2006 2:00  | 12.2   | 8.1               |
| 12/10/2006 3:00  | 11.6   | 8.2               |
| 12/10/2006 4:00  | 11.5   | 8.3               |
| 12/10/2006 5:00  | 10.1   | 7.5               |
| 12/10/2006 6:00  | 10.5   | 7.3               |
| 12/10/2006 7:00  | 13.5   | 7.7               |
| 12/10/2006 8:00  | 15.5   | 7.2               |
| 12/10/2006 9:00  | 15.2   | 7.3               |
| 12/10/2006 10:00 | 14.9   | 7.2               |
| 12/10/2006 11:00 | 18.7   | 7.5               |
| 12/10/2006 12:00 | 17.0   | 7.5               |
| 12/10/2006 13:00 | 17.8   | 9.9               |
| 12/10/2006 14:00 | 17.8   | 12.9              |
| 12/10/2006 15:00 | 19.1   | 9.0               |
| 12/10/2006 16:00 | 21.4   | 8.1               |
| 12/10/2006 17:00 | 31.0   | 8.1               |
| 12/10/2006 18:00 | 38.5   | 10.1              |
| 12/10/2006 19:00 | 29.4   | 9.8               |
| 12/10/2006 20:00 | 22.1   | 9.3               |
| 12/10/2006 21:00 | 26.2   | 10.1              |
| 12/10/2006 22:00 | 27.2   | 14.0              |
| 12/10/2006 23:00 | 32.3   | 17.2              |
| 12/11/2006 0:00  | 30.3   | 16.9              |
| 12/11/2006 1:00  | 30.3   | 13.4              |
| 12/11/2006 2:00  | 31.7   | 15.0              |
| 12/11/2006 3:00  | 44.7   | 13.9              |
| 12/11/2006 4:00  | 32.1   | 12.3              |
| 12/11/2006 5:00  | 37.4   | 11.7              |
| 12/11/2006 6:00  | 48.4   | 11.9              |
| 12/11/2006 7:00  | 64.3   | 12.9              |
| 12/11/2006 8:00  | 67.8   | 21.0              |
| 12/11/2006 9:00  | 63.5   | 17.8              |
| 12/11/2006 10:00 | 49.5   | 12.5              |
| 12/11/2006 11:00 | <b>outlier removed</b>   | 13.6              |
| 12/11/2006 12:00 | 131.5  | 172.5             |
| 12/11/2006 13:00 | 46.7   | 22.3              |
| 12/11/2006 14:00 | 53.4   | 26.1              |
| 12/11/2006 15:00 | 59.0   | 28.8              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/11/2006 16:00 | 62.3   | 25.8              |
| 12/11/2006 17:00 | 58.7   | 20.7              |
| 12/11/2006 18:00 | 45.4   | 22.2              |
| 12/11/2006 19:00 | 69.0   | 18.7              |
| 12/11/2006 20:00 | 47.8   | 17.7              |
| 12/11/2006 21:00 | 64.1   | 21.8              |
| 12/11/2006 22:00 | 40.0   | 72.3              |
| 12/11/2006 23:00 | 29.4   | 65.1              |
| 12/12/2006 0:00  | 29.4   | 99.5              |
| 12/12/2006 1:00  | 33.8   | 30.5              |
| 12/12/2006 2:00  | 27.2   | 40.9              |
| 12/12/2006 3:00  | 21.7   | 33.8              |
| 12/12/2006 4:00  | 20.4   | 54.0              |
| 12/12/2006 5:00  | 19.8   | 51.5              |
| 12/12/2006 6:00  | 31.4   | 23.5              |
| 12/12/2006 7:00  | 37.0   | 22.9              |
| 12/12/2006 8:00  | 38.6   | 21.1              |
| 12/12/2006 9:00  | 50.8   | 24.5              |
| 12/12/2006 10:00 | 48.8   | 17.3              |
| 12/12/2006 11:00 | 48.5   | 14.1              |
| 12/12/2006 12:00 | 49.8   | 14.3              |
| 12/12/2006 13:00 | 50.4   | 13.9              |
| 12/12/2006 14:00 | 39.5   | 13.5              |
| 12/12/2006 15:00 | 43.0   | 14.7              |
| 12/12/2006 16:00 | 71.2   | 16.3              |
| 12/12/2006 17:00 | 65.6   | 12.2              |
| 12/12/2006 18:00 | 39.4   | 9.3               |
| 12/12/2006 19:00 | 27.5   | 8.0               |
| 12/12/2006 20:00 | 29.7   | 8.4               |
| 12/12/2006 21:00 | 38.4   | 10.9              |
| 12/12/2006 22:00 | 31.9   | 9.7               |
| 12/12/2006 23:00 | 24.0   | 7.8               |
| 12/13/2006 0:00  | 22.0   | 7.4               |
| 12/13/2006 1:00  | 16.5   | 7.7               |
| 12/13/2006 2:00  | 15.8   | 4.8               |
| 12/13/2006 3:00  | 12.5   | 3.9               |
| 12/13/2006 4:00  | 13.8   | 4.3               |
| 12/13/2006 5:00  | 17.9   | 5.4               |
| 12/13/2006 6:00  | 13.6   | 3.4               |
| 12/13/2006 7:00  | 17.3   | 3.7               |
| 12/13/2006 8:00  | 20.0   | 3.9               |
| 12/13/2006 9:00  | 23.5   | 6.8               |
| 12/13/2006 10:00 | 23.3   | 4.9               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/13/2006 11:00 | 24.3   | 5.8               |
| 12/13/2006 12:00 | 25.2   | 4.2               |
| 12/13/2006 13:00 | 23.4   | 4.3               |
| 12/13/2006 14:00 | 21.3   | 5.3               |
| 12/13/2006 15:00 | 22.4   | 5.7               |
| 12/13/2006 16:00 | 26.6   | 6.6               |
| 12/13/2006 17:00 | 105.1  | 95.3              |
| 12/13/2006 18:00 | 40.9   | 12.5              |
| 12/13/2006 19:00 | 63.6   | 10.7              |
| 12/13/2006 20:00 | 59.9   | 11.3              |
| 12/13/2006 21:00 | 93.7   | 14.6              |
| 12/13/2006 22:00 | 67.9   | 17.1              |
| 12/13/2006 23:00 | 123.2  | 20.2              |
| 12/14/2006 0:00  | 76.1   | 23.7              |
| 12/14/2006 1:00  | 50.6   | 16.4              |
| 12/14/2006 2:00  | 60.0   | 18.3              |
| 12/14/2006 3:00  | 71.8   | 17.4              |
| 12/14/2006 4:00  | 85.7   | 18.6              |
| 12/14/2006 5:00  | 78.8   | 16.3              |
| 12/14/2006 6:00  | 75.4   | 13.7              |
| 12/14/2006 7:00  | 70.0   | 13.8              |
| 12/14/2006 8:00  | 105.4  | 18.6              |
| 12/14/2006 9:00  | 77.5   | 20.0              |
| 12/14/2006 10:00 | 58.0   | 17.6              |
| 12/14/2006 11:00 | 47.0   | 18.5              |
| 12/14/2006 12:00 | 50.0   | 18.0              |
| 12/14/2006 13:00 | 45.1   | 19.4              |
| 12/14/2006 14:00 | 56.4   | 17.9              |
| 12/14/2006 15:00 | 36.9   | 16.6              |
| 12/14/2006 16:00 | 38.8   | 11.8              |
| 12/14/2006 17:00 | 39.0   | 9.9               |
| 12/14/2006 18:00 | 42.7   | 8.5               |
| 12/14/2006 19:00 | 31.0   | 11.9              |
| 12/14/2006 20:00 | 35.9   | 17.1              |
| 12/14/2006 21:00 | 32.7   | 16.1              |
| 12/14/2006 22:00 | 33.4   | 13.5              |
| 12/14/2006 23:00 | 23.3   | 7.8               |
| 12/15/2006 0:00  | 22.6   | 7.6               |
| 12/15/2006 1:00  | 19.4   | 7.1               |
| 12/15/2006 2:00  | 19.4   | 9.1               |
| 12/15/2006 3:00  | 18.8   | 9.0               |
| 12/15/2006 4:00  | 14.1   | 9.9               |
| 12/15/2006 5:00  | 17.2   | 6.0               |

## Appendix A1

### Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/15/2006 6:00  | 16.4   | 5.9               |
| 12/15/2006 7:00  | 22.8   | 7.9               |
| 12/15/2006 8:00  | 30.5   | 10.2              |
| 12/15/2006 9:00  | 38.9   | 12.8              |
| 12/15/2006 10:00 | 35.0   | 12.9              |
| 12/15/2006 11:00 | 27.8   | 8.6               |
| 12/15/2006 12:00 | 30.2   | 8.2               |
| 12/15/2006 13:00 | 25.3   | 8.6               |
| 12/15/2006 14:00 | 23.5   | 7.8               |
| 12/15/2006 15:00 | 26.0   | 7.6               |
| 12/15/2006 16:00 | 22.6   | 7.0               |
| 12/15/2006 17:00 | 29.6   | 7.5               |
| 12/15/2006 18:00 | 31.2   | 8.8               |
| 12/15/2006 19:00 | 37.2   | 20.7              |
| 12/15/2006 20:00 | 48.2   | 12.9              |
| 12/15/2006 21:00 | 35.6   | 25.5              |
| 12/15/2006 22:00 | 22.7   | 21.4              |
| 12/15/2006 23:00 | 33.3   | 34.3              |
| 12/16/2006 0:00  | 61.3   | 19.5              |
| 12/16/2006 1:00  | 69.7   | 19.6              |
| 12/16/2006 2:00  | 60.6   | 88.3              |
| 12/16/2006 3:00  | 116.8  | 46.2              |
| 12/16/2006 4:00  | 107.9  | 50.0              |
| 12/16/2006 5:00  | 116.1  | 116.3             |
| 12/16/2006 6:00  | 97.5   | 153.5             |
| 12/16/2006 7:00  | 108.7  | 148.6             |
| 12/16/2006 8:00  | 138.7  | 86.5              |
| 12/16/2006 9:00  | 59.5   | 12.1              |
| 12/16/2006 10:00 | 24.0   | 9.0               |
| 12/16/2006 11:00 | 24.0   | 7.7               |
| 12/16/2006 12:00 | 21.4   | 5.4               |
| 12/16/2006 13:00 | 19.6   | 3.7               |
| 12/16/2006 14:00 | 16.5   | 4.4               |
| 12/16/2006 15:00 | 19.6   | 3.8               |
| 12/16/2006 16:00 | 16.6   | 4.1               |
| 12/16/2006 17:00 | 9.0  | 6.9               |
| 12/16/2006 18:00 | 12.2   | 8.3               |
| 12/16/2006 19:00 | 28.5   | 6.4               |
| 12/16/2006 20:00 | 21.0   | 5.6               |
| 12/16/2006 21:00 | 23.8   | 6.9               |
| 12/16/2006 22:00 | 18.8   | 7.4               |
| 12/16/2006 23:00 | 22.9   | 8.6               |
| 12/17/2006 0:00  | 18.1   | 11.9              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/17/2006 1:00  | 20.0   | 12.4              |
| 12/17/2006 2:00  | 18.0   | 11.5              |
| 12/17/2006 3:00  | 14.8   | 11.6              |
| 12/17/2006 4:00  | 13.4   | 10.7              |
| 12/17/2006 5:00  | 14.1   | 10.9              |
| 12/17/2006 6:00  | 14.1   | 9.8               |
| 12/17/2006 7:00  | 11.5   | 7.5               |
| 12/17/2006 8:00  | 18.2   | 6.4               |
| 12/17/2006 9:00  | 29.0   | 7.4               |
| 12/17/2006 10:00 | 23.4   | 7.6               |
| 12/17/2006 11:00 | 18.6   | 6.6               |
| 12/17/2006 12:00 | 25.6   | 20.8              |
| 12/17/2006 13:00 | 27.0   | 26.3              |
| 12/17/2006 14:00 | 35.4   | 30.4              |
| 12/17/2006 15:00 | 33.1   | 13.3              |
| 12/17/2006 16:00 | 43.8   | 22.7              |
| 12/17/2006 17:00 | 59.5   | 49.4              |
| 12/17/2006 18:00 | 65.6   | 29.6              |
| 12/17/2006 19:00 | 66.2   | 27.7              |
| 12/17/2006 20:00 | 69.6   | 34.2              |
| 12/17/2006 21:00 | 63.7   | 65.4              |
| 12/17/2006 22:00 | 71.9   | 36.1              |
| 12/17/2006 23:00 | 61.5   | 57.2              |
| 12/18/2006 0:00  | 60.7   | 54.6              |
| 12/18/2006 1:00  | 28.3   | 33.0              |
| 12/18/2006 2:00  | 40.2   | 36.3              |
| 12/18/2006 3:00  | 30.7   | 28.5              |
| 12/18/2006 4:00  | 30.8   | 26.4              |
| 12/18/2006 5:00  | 25.0   | 25.9              |
| 12/18/2006 6:00  | 26.1   | 19.8              |
| 12/18/2006 7:00  | 40.3   | 34.0              |
| 12/18/2006 8:00  | 49.0   | 44.6              |
| 12/18/2006 9:00  | 54.5   | 51.1              |
| 12/18/2006 10:00 | 43.2   | 42.6              |
| 12/18/2006 11:00 | 31.7   | 30.1              |
| 12/18/2006 12:00 | 31.2   | 27.8              |
| 12/18/2006 13:00 | 32.6   | 27.6              |
| 12/18/2006 14:00 | 33.4   | 23.9              |
| 12/18/2006 15:00 | 39.1   | 27.2              |
| 12/18/2006 16:00 | 39.6   | 39.2              |
| 12/18/2006 17:00 | 67.2   | 61.2              |
| 12/18/2006 18:00 | 46.4   | 82.1              |
| 12/18/2006 19:00 | 33.9   | 87.0              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/18/2006 20:00 | 32.4   | 97.3              |
| 12/18/2006 21:00 | 31.5   | 106.1             |
| 12/18/2006 22:00 | 68.5   | 138.3             |
| 12/18/2006 23:00 | 212.2  | 180.7             |
| 12/19/2006 0:00  | 231.0  | 213.7             |
| 12/19/2006 1:00  | 179.2  | 84.1              |
| 12/19/2006 2:00  | 133.2  | 121.3             |
| 12/19/2006 3:00  | 124.2  | 222.0             |
| 12/19/2006 4:00  | 174.4  | 118.5             |
| 12/19/2006 5:00  | 155.0  | 91.1              |
| 12/19/2006 6:00  | 174.8  | 203.5             |
| 12/19/2006 7:00  | 201.8  | 80.3              |
| 12/19/2006 8:00  | 141.0  | 41.3              |
| 12/19/2006 9:00  | 121.6  | 45.7              |
| 12/19/2006 10:00 | 92.2   | 38.7              |
| 12/19/2006 11:00 | 79.3   | 42.9              |
| 12/19/2006 12:00 | 63.4   | 39.9              |
| 12/19/2006 13:00 | 49.1   | 21.9              |
| 12/19/2006 14:00 | 46.4   | 19.0              |
| 12/19/2006 15:00 | 42.3   | 13.5              |
| 12/19/2006 16:00 | 46.4   | 28.4              |
| 12/19/2006 17:00 | 50.4   | 12.3              |
| 12/19/2006 18:00 | 73.8   | 16.6              |
| 12/19/2006 19:00 | 123.6  | 27.1              |
| 12/19/2006 20:00 | 150.2  | 32.0              |
| 12/19/2006 21:00 | 152.4  | 22.4              |
| 12/19/2006 22:00 | 117.8  | 24.3              |
| 12/19/2006 23:00 | 98.9   | 25.6              |
| 12/20/2006 0:00  | 66.6   | 22.0              |
| 12/20/2006 1:00  | 44.7   | 15.3              |
| 12/20/2006 2:00  | 71.7   | 16.7              |
| 12/20/2006 3:00  | 53.6   | 18.9              |
| 12/20/2006 4:00  | 54.7   | 22.3              |
| 12/20/2006 5:00  | 51.0   | 23.9              |
| 12/20/2006 6:00  | 95.2   | 27.7              |
| 12/20/2006 7:00  | 125.7  | 28.3              |
| 12/20/2006 8:00  | 128.4  | 26.4              |
| 12/20/2006 9:00  | 122.1  | 33.1              |
| 12/20/2006 10:00 | 91.9   | 39.0              |
| 12/20/2006 11:00 | 66.1   | 42.8              |
| 12/20/2006 12:00 | 46.7   | 40.5              |
| 12/20/2006 13:00 | 45.9   | 22.9              |
| 12/20/2006 14:00 | 44.9   | 17.8              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/20/2006 15:00 | 44.4   | 17.2              |
| 12/20/2006 16:00 | 52.6   | 21.4              |
| 12/20/2006 17:00 | 69.4   | 28.2              |
| 12/20/2006 18:00 | 108.1  | 26.3              |
| 12/20/2006 19:00 | 74.6   | 27.4              |
| 12/20/2006 20:00 | 80.9   | 33.9              |
| 12/20/2006 21:00 | 93.1   | 43.3              |
| 12/20/2006 22:00 | 80.5   | 47.4              |
| 12/20/2006 23:00 | 83.8   | 36.0              |
| 12/21/2006 0:00  | 70.0   | 39.9              |
| 12/21/2006 1:00  | 57.9   | 33.0              |
| 12/21/2006 2:00  | 50.2   | 31.4              |
| 12/21/2006 3:00  | 51.2   | 26.9              |
| 12/21/2006 4:00  | 54.2   | 32.3              |
| 12/21/2006 5:00  | 82.3   | 30.6              |
| 12/21/2006 6:00  | 98.9   | 25.1              |
| 12/21/2006 7:00  | 105.2  | 42.6              |
| 12/21/2006 8:00  | 102.5  | 62.9              |
| 12/21/2006 9:00  | 102.4  | 128.6             |
| 12/21/2006 10:00 | 71.0   | 99.3              |
| 12/21/2006 11:00 | 61.2   | 71.5              |
| 12/21/2006 12:00 | 30.1   | 24.9              |
| 12/21/2006 13:00 | 23.5   | 13.9              |
| 12/21/2006 14:00 | 36.8   | 11.7              |
| 12/21/2006 15:00 | 15.9   | 26.1              |
| 12/21/2006 16:00 | 14.1   | 49.0              |
| 12/21/2006 17:00 | 184.4  | 74.2              |
| 12/21/2006 18:00 | 18.3   | 222.8             |
| 12/21/2006 19:00 | 18.3   | 59.6              |
| 12/21/2006 20:00 | 20.5   | 57.3              |
| 12/21/2006 21:00 | 24.7   | 60.2              |
| 12/21/2006 22:00 | 23.5   | 52.6              |
| 12/21/2006 23:00 | 16.1   | 42.1              |
| 12/22/2006 0:00  | 19.6   | 39.2              |
| 12/22/2006 1:00  | 25.5   | 39.9              |
| 12/22/2006 2:00  | 27.5   | 41.8              |
| 12/22/2006 3:00  | 27.2   | 45.3              |
| 12/22/2006 4:00  | 27.4   | 40.6              |
| 12/22/2006 5:00  | 27.0   | 40.6              |
| 12/22/2006 6:00  | 28.4   | 49.3              |
| 12/22/2006 7:00  | 33.4   | 59.3              |
| 12/22/2006 8:00  | 33.6   | 58.4              |
| 12/22/2006 9:00  | 32.2   | 56.8              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/22/2006 10:00 | 22.7   | 21.4              |
| 12/22/2006 11:00 | 21.7   | 18.4              |
| 12/22/2006 12:00 | 25.0   | 21.0              |
| 12/22/2006 13:00 | 26.7   | 21.3              |
| 12/22/2006 14:00 | 20.7   | 16.8              |
| 12/22/2006 15:00 | 33.9   | 12.4              |
| 12/22/2006 16:00 | 37.0   | 9.9               |
| 12/22/2006 17:00 | 36.5   | 9.5               |
| 12/22/2006 18:00 | 23.5   | 8.2               |
| 12/22/2006 19:00 | 21.0   | 7.6               |
| 12/22/2006 20:00 | 22.7   | 4.9               |
| 12/22/2006 21:00 | 18.9   | 6.5               |
| 12/22/2006 22:00 | 17.3   | 6.4               |
| 12/22/2006 23:00 | 19.4   | 6.5               |
| 12/23/2006 0:00  | 17.4   | 7.5               |
| 12/23/2006 1:00  | 12.1   | 5.6               |
| 12/23/2006 2:00  | 11.8   | 5.8               |
| 12/23/2006 3:00  | 9.8  | 7.7               |
| 12/23/2006 4:00  | 7.8  | 4.2               |
| 12/23/2006 5:00  | 6.0  | 4.0               |
| 12/23/2006 6:00  | 8.7  | 4.6               |
| 12/23/2006 7:00  | 8.5  | 5.4               |
| 12/23/2006 8:00  | 10.0   | 5.3               |
| 12/23/2006 9:00  | 10.5   | 5.4               |
| 12/23/2006 10:00 | 14.0   | 6.6               |
| 12/23/2006 11:00 | 13.3   | 6.3               |
| 12/23/2006 12:00 | 10.7   | 6.0               |
| 12/23/2006 13:00 | 9.7  | 5.1               |
| 12/23/2006 14:00 | 11.4   | 7.1               |
| 12/23/2006 15:00 | 11.8   | 7.5               |
| 12/23/2006 16:00 | 15.4   | 9.6               |
| 12/23/2006 17:00 | 16.1   | 11.8              |
| 12/23/2006 18:00 | 13.9   | 10.4              |
| 12/23/2006 19:00 | 13.7   | 9.5               |
| 12/23/2006 20:00 | 15.7   | 11.2              |
| 12/23/2006 21:00 | 17.2   | 8.4               |
| 12/23/2006 22:00 | 16.1   | 8.5               |
| 12/23/2006 23:00 | 13.3   | 10.4              |
| 12/24/2006 0:00  | 10.4   | 9.8               |
| 12/24/2006 1:00  | 8.7  | 7.2               |
| 12/24/2006 2:00  | 8.0  | 6.2               |
| 12/24/2006 3:00  | 7.9  | 6.4               |
| 12/24/2006 4:00  | 8.9  | 6.4               |



# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/24/2006 5:00  | 6.9  | 6.2               |
| 12/24/2006 6:00  | 7.0  | 4.1               |
| 12/24/2006 7:00  | 17.0   | 4.3               |
| 12/24/2006 8:00  | 4.6  | 3.4               |
| 12/24/2006 9:00  | 12.6   | 5.5               |
| 12/24/2006 10:00 | 7.6  | 4.4               |
| 12/24/2006 11:00 | 7.5  | 3.6               |
| 12/24/2006 12:00 | 6.0  | 3.2               |
| 12/24/2006 13:00 | 6.5  | 3.4               |
| 12/24/2006 14:00 | 7.7  | 5.1               |
| 12/24/2006 15:00 | 11.7   | 6.5               |
| 12/24/2006 16:00 | 12.1   | 5.1               |
| 12/24/2006 17:00 | 11.0   | 4.7               |
| 12/24/2006 18:00 | 11.0   | 4.2               |
| 12/24/2006 19:00 | 19.6   | 7.8               |
| 12/24/2006 20:00 | 39.1   | 9.1               |
| 12/24/2006 21:00 | 26.1   | 5.7               |
| 12/24/2006 22:00 | 33.3   | 6.6               |
| 12/24/2006 23:00 | 38.1   | 12.9              |
| 12/25/2006 0:00  | 38.0   | 8.0               |
| 12/25/2006 1:00  | 15.7   | 8.4               |
| 12/25/2006 2:00  | 18.6   | 27.5              |
| 12/25/2006 3:00  | 48.6   | 8.3               |
| 12/25/2006 4:00  | 30.3   | 8.3               |
| 12/25/2006 5:00  | 11.2   | 6.7               |
| 12/25/2006 6:00  | 11.5   | 17.6              |
| 12/25/2006 7:00  | 20.1   | 18.8              |
| 12/25/2006 8:00  | 12.4   | 13.5              |
| 12/25/2006 9:00  | 17.9   | 24.7              |
| 12/25/2006 10:00 | 31.3   | 26.9              |
| 12/25/2006 11:00 | 31.9   | 28.3              |
| 12/25/2006 12:00 | 27.7   | 29.2              |
| 12/25/2006 13:00 | 16.3   | 12.9              |
| 12/25/2006 14:00 | 9.7  | 9.8               |
| 12/25/2006 15:00 | 7.4  | 10.5              |
| 12/25/2006 16:00 | 7.7  | 11.7              |
| 12/25/2006 17:00 | 11.7   | 14.3              |
| 12/25/2006 18:00 | 10.5   | 14.5              |
| 12/25/2006 19:00 | 11.9   | 13.2              |
| 12/25/2006 20:00 | 7.2  | 10.5              |
| 12/25/2006 21:00 | 9.4  | 13.9              |
| 12/25/2006 22:00 | 16.9   | 17.5              |
| 12/25/2006 23:00 | 14.6   | 16.9              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/26/2006 0:00  | 15.3   | 16.5              |
| 12/26/2006 1:00  | 13.8   | 15.2              |
| 12/26/2006 2:00  | 7.7  | 11.1              |
| 12/26/2006 3:00  | 5.3  | 8.5               |
| 12/26/2006 4:00  | 6.8  | 8.6               |
| 12/26/2006 5:00  | 6.9  | 6.8               |
| 12/26/2006 6:00  | 10.9   | 9.0               |
| 12/26/2006 7:00  | 13.8   | 10.7              |
| 12/26/2006 8:00  | 17.0   | 12.7              |
| 12/26/2006 9:00  | 18.4   | 14.8              |
| 12/26/2006 10:00 | 20.2   | 14.4              |
| 12/26/2006 11:00 | 20.3   | 16.1              |
| 12/26/2006 12:00 | 19.4   | 16.7              |
| 12/26/2006 13:00 | 23.3   | 18.3              |
| 12/26/2006 14:00 | 21.8   | 18.8              |
| 12/26/2006 15:00 | 21.2   | 17.8              |
| 12/26/2006 16:00 | 27.8   | 26.4              |
| 12/26/2006 17:00 | 25.9   | 20.0              |
| 12/26/2006 18:00 | 23.4   | 18.3              |
| 12/26/2006 19:00 | 29.9   | 24.2              |
| 12/26/2006 20:00 | 26.0   | 20.8              |
| 12/26/2006 21:00 | 15.5   | 12.3              |
| 12/26/2006 22:00 | 13.8   | 11.0              |
| 12/26/2006 23:00 | 18.8   | 11.5              |
| 12/27/2006 0:00  | 17.2   | 6.0               |
| 12/27/2006 1:00  | 12.7   | 5.3               |
| 12/27/2006 2:00  | 7.4  | 3.8               |
| 12/27/2006 3:00  | 7.2  | 3.9               |
| 12/27/2006 4:00  | 7.3  | 3.6               |
| 12/27/2006 5:00  | 5.7  | 3.9               |
| 12/27/2006 6:00  | 11.3   | 4.5               |
| 12/27/2006 7:00  | 17.7   | 7.6               |
| 12/27/2006 8:00  | 23.7   | 11.4              |
| 12/27/2006 9:00  | 24.9   | 11.4              |
| 12/27/2006 10:00 | 28.4   | 11.9              |
| 12/27/2006 11:00 | 25.6   | 13.8              |
| 12/27/2006 12:00 | 22.1   | 12.8              |
| 12/27/2006 13:00 | 22.9   | 12.6              |
| 12/27/2006 14:00 | 26.4   | 14.2              |
| 12/27/2006 15:00 | 24.1   | 14.6              |
| 12/27/2006 16:00 | 32.8   | 12.6              |
| 12/27/2006 17:00 | 33.9   | 15.0              |
| 12/27/2006 18:00 | 36.5   | 14.4              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/27/2006 19:00 | 28.9   | 12.0              |
| 12/27/2006 20:00 | 27.4   | 10.9              |
| 12/27/2006 21:00 | 29.6   | 12.9              |
| 12/27/2006 22:00 | 31.0   | 15.6              |
| 12/27/2006 23:00 | 26.1   | 14.0              |
| 12/28/2006 0:00  | 27.3   | 13.2              |
| 12/28/2006 1:00  | 28.0   | 14.8              |
| 12/28/2006 2:00  | 21.9   | 12.4              |
| 12/28/2006 3:00  | 22.9   | 12.8              |
| 12/28/2006 4:00  | 19.5   | 10.7              |
| 12/28/2006 5:00  | 23.1   | 9.8               |
| 12/28/2006 6:00  | 28.7   | 9.1               |
| 12/28/2006 7:00  | 25.9   | 20.1              |
| 12/28/2006 8:00  | 24.8   | 22.9              |
| 12/28/2006 9:00  | 40.1   | 65.0              |
| 12/28/2006 10:00 | 36.1   | 27.9              |
| 12/28/2006 11:00 | 33.3   | 31.3              |
| 12/28/2006 12:00 | 32.1   | 18.3              |
| 12/28/2006 13:00 | 35.5   | 15.5              |
| 12/28/2006 14:00 | 26.4   | 14.5              |
| 12/28/2006 15:00 | 36.1   | 15.7              |
| 12/28/2006 16:00 | 31.9   | 14.7              |
| 12/28/2006 17:00 | 19.5   | 28.4              |
| 12/28/2006 18:00 | 22.9   | 57.6              |
| 12/28/2006 19:00 | 33.0   | 49.9              |
| 12/28/2006 20:00 | 25.4   | 51.2              |
| 12/28/2006 21:00 | 27.6   | 61.0              |
| 12/28/2006 22:00 | 42.3   | 67.9              |
| 12/28/2006 23:00 | 48.0   | 89.8              |
| 12/29/2006 0:00  | 57.5   | 96.7              |
| 12/29/2006 1:00  | 82.9   | 88.4              |
| 12/29/2006 2:00  | 66.7   | 66.4              |
| 12/29/2006 3:00  | 40.9   | 45.3              |
| 12/29/2006 4:00  | 27.3   | 30.8              |
| 12/29/2006 5:00  | 25.5   | 28.7              |
| 12/29/2006 6:00  | 24.9   | 30.0              |
| 12/29/2006 7:00  | 23.3   | 31.2              |
| 12/29/2006 8:00  | 15.6   | 25.6              |
| 12/29/2006 9:00  | 20.6   | 37.1              |
| 12/29/2006 10:00 | 19.5   | 35.1              |
| 12/29/2006 11:00 | 17.6   | 28.3              |
| 12/29/2006 12:00 | 12.6   | 23.6              |
| 12/29/2006 13:00 | 11.4   | 21.3              |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/29/2006 14:00 | 9.4  | 19.8              |
| 12/29/2006 15:00 | 9.5  | 21.7              |
| 12/29/2006 16:00 | 9.1  | 24.1              |
| 12/29/2006 17:00 | 9.2  | 23.0              |
| 12/29/2006 18:00 | 9.6  | 20.3              |
| 12/29/2006 19:00 | 8.6  | 23.3              |
| 12/29/2006 20:00 | 7.9  | 17.1              |
| 12/29/2006 21:00 | 7.6  | 17.6              |
| 12/29/2006 22:00 | 7.8  | 20.6              |
| 12/29/2006 23:00 | 8.5  | 23.4              |
| 12/30/2006 0:00  | 8.3  | 20.7              |
| 12/30/2006 1:00  | 7.4  | 16.4              |
| 12/30/2006 2:00  | 7.6  | 13.4              |
| 12/30/2006 3:00  | 7.6  | 12.9              |
| 12/30/2006 4:00  | 7.3  | 10.8              |
| 12/30/2006 5:00  | 8.2  | 16.0              |
| 12/30/2006 6:00  | 10.1   | 9.5               |
| 12/30/2006 7:00  | 10.5   | 6.5               |
| 12/30/2006 8:00  | 20.1   | 9.3               |
| 12/30/2006 9:00  | 30.7   | 24.9              |
| 12/30/2006 10:00 | 40.6   | 28.1              |
| 12/30/2006 11:00 | 55.2   | 49.0              |
| 12/30/2006 12:00 | 54.5   | 51.0              |
| 12/30/2006 13:00 | 51.0   | 48.9              |
| 12/30/2006 14:00 | 46.8   | 44.9              |
| 12/30/2006 15:00 | 46.4   | 43.4              |
| 12/30/2006 16:00 | 44.5   | 38.9              |
| 12/30/2006 17:00 | 36.7   | 47.5              |
| 12/30/2006 18:00 | 29.7   | 42.3              |
| 12/30/2006 19:00 | 19.0   | 23.9              |
| 12/30/2006 20:00 | 14.6   | 17.8              |
| 12/30/2006 21:00 | 11.2   | 13.8              |
| 12/30/2006 22:00 | 9.4  | 13.0              |
| 12/30/2006 23:00 | 8.2  | 13.3              |
| 12/31/2006 0:00  | 7.9  | 11.6              |
| 12/31/2006 1:00  | 5.9  | 8.2               |
| 12/31/2006 2:00  | 6.1  | 8.0               |
| 12/31/2006 3:00  | 6.2  | 9.5               |
| 12/31/2006 4:00  | 7.1  | 8.9               |
| 12/31/2006 5:00  | 6.1  | 7.8               |
| 12/31/2006 6:00  | 5.2  | 6.2               |
| 12/31/2006 7:00  | 5.0  | 6.4               |
| 12/31/2006 8:00  | 5.6  | 8.1               |

# Appendix A1

## Record of NO<sub>x</sub> Measurements

| Date/Time        | Hourly Average NO <sub>x</sub> Concentration<br>(µg/m <sup>3</sup> ) |                   |
|------------------|--|-------------------|
|                  | Ontario Public Health Laboratory                                     | St. Clair College |
| 12/31/2006 9:00  | 6.0  | 10.0              |
| 12/31/2006 10:00 | 6.6  | 10.4              |
| 12/31/2006 11:00 | 7.8  | 10.9              |
| 12/31/2006 12:00 | 8.8  | 12.5              |
| 12/31/2006 13:00 | 9.7  | 14.3              |
| 12/31/2006 14:00 | 10.0   | 14.4              |
| 12/31/2006 15:00 | 13.5   | 17.2              |
| 12/31/2006 16:00 | 15.7   | 15.4              |
| 12/31/2006 17:00 | 17.1   | 16.6              |
| 12/31/2006 18:00 | 15.8   | 16.3              |
| 12/31/2006 19:00 | 11.2   | 10.9              |
| 12/31/2006 20:00 | 9.0  | 7.7               |
| 12/31/2006 21:00 | 14.7   | 5.7               |
| 12/31/2006 22:00 | 10.2   | 5.9               |
| 12/31/2006 23:00 | 10.2   | 8.9               |